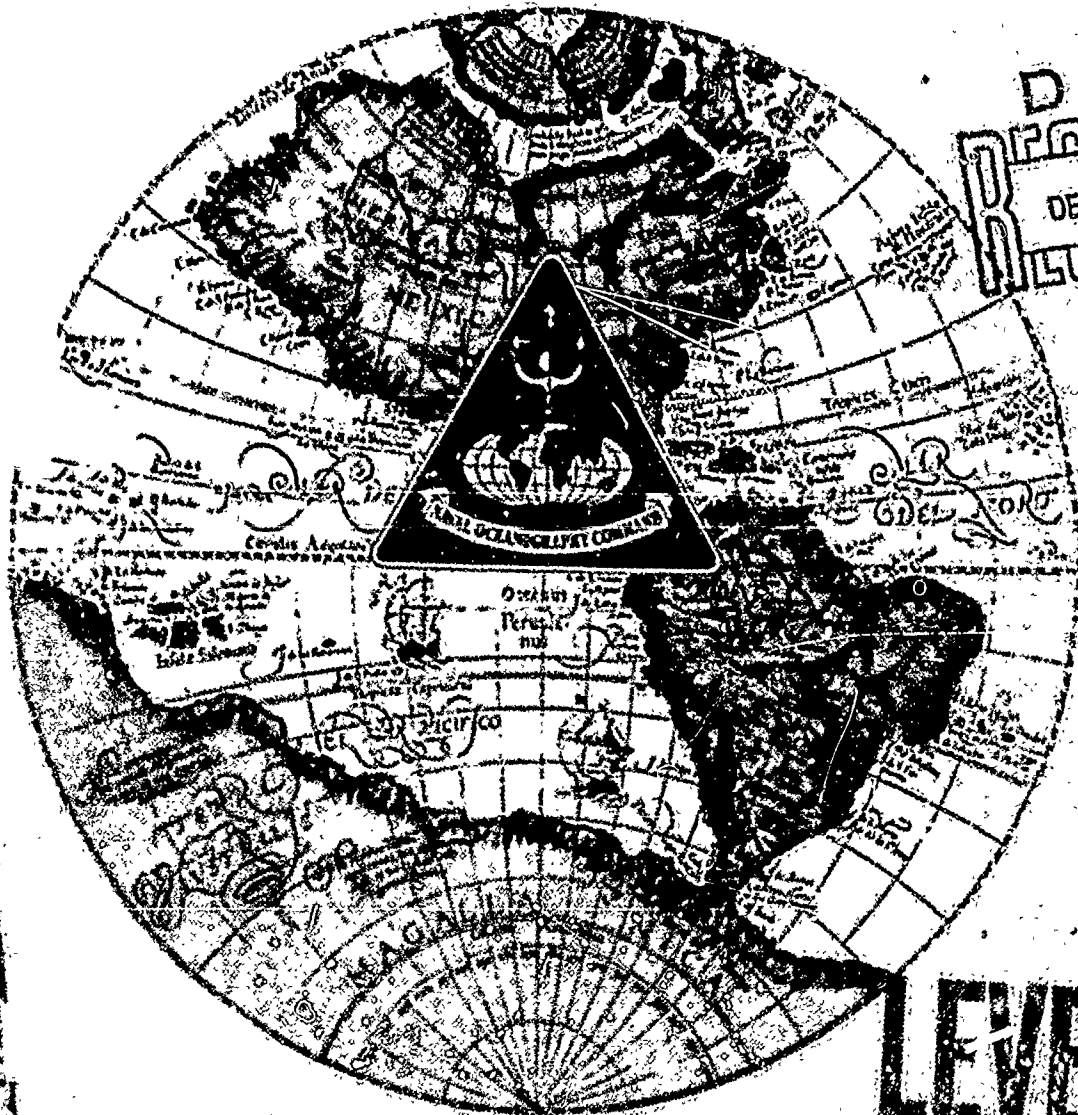


GUIDE TO STANDARD WEATHER SUMMARIES AND CLIMATIC SERVICES

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PREPARED BY NOCD ASHEVILLE
FOR THE COMMANDER, NAVAL OCEANOGRAPHY COMMAND

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<p>This report provides a description of published and unpublished climatological summaries available from the climatic complex in Asheville, NC. It also includes a catalogue of the available summaries on a world-wide basis in continent-country-station order.</p> <p>387 195 Yhm</p>		

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MOCD ASHEVILLE, NORTH CAROLINA

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FOREWORD

The Naval Oceanography Command Detachment (NOCD), Asheville, North Carolina manages the Naval Oceanography Command climatological program at the National Climatic Center (NCC). This publication serves as an information source for potential U.S. Navy users since this climatological program is designed to provide support for all approved requirements from the fleet and shore activities of the Navy. The full scope of Naval Oceanography Command climate support to the fleet and shore activities includes the integrated resources of the Fleet Numerical Oceanography Center, the Naval Oceanographic Office and NOCD Asheville.

Part I of this publication provides a description of published and unpublished climatological summaries available from NOCD Asheville. A list of major climatic publications produced by NOCD Asheville has been included following the Introduction.

Part II of this publication is a catalogue of published and unpublished climatological summaries in continent-country-station order. There are twenty-three columns headed by a particular climatic summary or group of summaries. The availability of a climatic summary for a specific station is indicated by a number (the number of years of data used for that summary) under the summary heading. The availability of a World-wide Airfield Summary is indicated by an alphabetic character.

The Environmental Data Information Service publication Selected Guide to Climatic Data Sources (Key to Meteorological Records Documentation No. 4.11) provides an index to national climatological summaries routinely prepared by the National Climatic Center. Other useful references include U.S. Naval Weather Service Numerical Environmental Products Manual, NAVAIR 50-1G-522 and Catalog of Naval Oceanographic Office Publications, SPPUB3P. Naval activities should consult NAVAIR Allowance List, Section "L", Part 4 NAVAIR 00-35QL-22 for index numbers of NAVAIR publications.

Copies of any of the summaries listed herein or other climatological requirements can be obtained by U.S. Naval activities by submitting a request to the Commander, Naval Oceanography Command, Bldg 1205, National Space Technology Laboratories, NSTL Station, MS 39529 with a copy to NOCD Room 304, Federal Building, Asheville, NC 28801. For additional information concerning copies of historic weather records, historic weather data on magnetic tape or special climatic studies, call 704 252-7865 or FTS 672-0232. Requests from other agencies or users should be forwarded to the National Climatic Center, Federal Building, Asheville, NC 28801.

Acknowledgement

Appreciation is expressed to Mrs. J. Ray for her outstanding efforts supporting the periodic editions of this publication and to AGC McLeod for his outstanding efforts in the software modification that were necessary for this edition.

NAVAIR 50.1C.534

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BMD NUMBER	STAN NUMBER	STATION	LOCATION		ELEVATION IN FEET	WIND DIRECTION																WIND VELOCITY															
			LA	HA		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
91408	00307	KOROR ISLAND PALAU ISLANDS NAU	N0720E	134 29	98																																

6

12

17

7

13

15

14

Summary in
Volume III - For East
- Period of Record Variable
for this Code

Periods of Record
of Summaries in years

NAVAIR 50-1C-534

I. Climatological publications prepared for the Commander, Naval Oceanography Command by the Naval Oceanography Command Detachment, Asheville, N.C.

A. U. S. Navy Marine Climatic Atlas of the World

1. Volume I, North Atlantic Ocean (Revised December 1974), NAVAIR 50-1C-528 (GPO Stock #008-042-00064-1 \$23.90)
2. Volume II, North Pacific Ocean (Revised March 1977), NAVAIR 50-1C-529 (GPO Stock #008-042-00068-3 \$27.50)
3. Volume III, Indian Ocean (Revised March 1976), NAVAIR 50-1C-530 (GPO Stock #008-042-00066-7 \$21.00)
4. Volume IV, South Atlantic Ocean (Revised March 1978), NAVAIR 50-1C-531 (GPO Stock #008-042-00069-1 \$16.25)
5. Volume V, South Pacific Ocean (Revised October 1979), NAVAIR 50-1C-532
6. Volume VI, Arctic Ocean (February 1963), NAVWEPS 50-1C-533
7. Volume VII, Antarctic (September 1965), NAVWEPS 50-1C-50
8. Volume VIII, The World (March 1969), NAVAIR 50-1C-54
9. Volume IX, Means and Standard Deviations NAVAIR 50-1C-65 (Currently under development and is scheduled for distribution in 1a 1980)

B. Other climatological or related publications

1. State of the Sea Photographs of the Beaufort Wind Scale (July 1971) NAVAIR 50-1P-4
2. International Meteorological Codes 1974 and Worldwide Synoptic Broadcasts (January 1975) NAVAIR 50-1P-11
This publication contains information available in the following World Meteorological Organization (WMO) publications: Manual on Codes (WMO No. 306), Volume I-International Codes and Weather Reporting, (WMO No. 9) Volumes C and D. WMO publications are sold by UNIPUB Box 433, Murray Hill Station, New York, N.Y. 10016.
3. Guide to Standard Weather Summaries and Climatic Services (January 1978) NAVAIR 50-1C-534 (Also AD-A047 482)
4. Upper Wind Statistics Charts of the Northern Hemisphere
Volume I, 850, 700 & 500 mb levels (August 1959) NAVAER 50-1C-535
Volume II, 300, 200 & 100 mb levels (August 1959) NAVAER 50-1C-535
Volume III, 50 mb level (March 1962) NAVWEPS 50-1C-535

Note: A revised edition of Volumes I, II, & III is currently under development.

NAVAIR 50-1C-534

5. Components of the 1000 mb winds of the Northern Hemisphere (September 1966) NAVAIR 50-1C-51
6. Selected Level, Heights, Temperatures and Dew points for the Northern Hemisphere (January 1970) NAVAIR 50-1C-52
7. Climate of the Upper Air, Southern Hemisphere
Volume I, Temperature, Dew Point and Heights (September 1969) NAVAIR 50-1C-55
Volume II, Zonal Geostrophic Winds (May 1971) NAVAIR 50-1C-56
Volume III, Vector Mean Geostrophic Winds (May 1971) NAVAIR 50-1C-57
Volume IV, Selected Meridional Cross-Sections (June 1971) NAVAIR 50-1C-58
8. Selected Meridional Cross Sections of Heights, Temperatures and Dew Points of the Northern Hemisphere (June 1971) NAVAIR 50-1C-59
9. Study of Worldwide Occurrence of Fog, Thunderstorms, Supercooled Low Clouds and Freezing Temperatures (Dec 1971) NAVAIR 50-1C-60 and Change 1 (Sep 1978) (Also AD-A058-496)
10. Mariners Worldwide Climatic Guide to Tropical Storms at Sea (March 1974) NAVAIR 50-1C-61 (GPO Stock #003-019-00025-0 \$13.50)
11. Climatic Summaries for Major Seventh Fleet Ports and Waters (November 1973) NAVAIR 50-1C-62 (Also AD-A026 537)
12. Climatic Summaries for Major Indian Ocean Ports and Waters (September 1974) NAVAIR 50-1C-63 (Also AD-A026 538)
13. A Climatic Résumé of the Mediterranean Sea (November 1975) NAVAIR 50-1C-64 (Also AD-A023 929)

NOTE:

Naval activities should consult NAVAIR Allowance List, Section "L" Part 4, NAVAIR 00-35QL-22 for index numbers of publications described above. Meteorological publications should be requisitioned in accordance with procedures set forth in NAVSUP 2002, Section VIII, Part C. DOD activities should submit requirements in MILSTRIP format in accordance with applicable procedures (e.g. DSA Regulation 5025.9, Army Regulation No. 310-11, Air Force Regulation No. 66-42, Marine Corps Order No. 5600.38, NAVSUP 2002, NAVSUP 437 or DODINST 4140.17M).

Non-DOD agencies or users should contact Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 to purchase items with GPO stock numbers. Items with AD or PB numbers may be purchased from the National Technical Information Service (NTIS), Springfield, VA 22161.

II. Special Marine Environmental Studies

A. The following studies were prepared by special request as approved by the Director, Naval Oceanography and Meteorology (formerly the Commander, Naval Weather Service Command).

1. Climatological Study, Southern California Operating Area (March 1971) AD-721 117
2. Northeast Atlantic Environmental Scenario (November 1973) AD-A002 067
3. Northeast Pacific Environmental Scenario (June 1974) AD-A781 673
4. Bermuda Environmental Scenario (November 1974) AD-A007 448
5. A Study of Fog and Stratus for Selected Cold Regions (December 1975) AD-A023 591
6. Climatic Study of the Near Coastal Zone, East Coast of U.S. (June 1976) AD-A024 991
7. Climatic Study of the Near Coastal Zone, West Coast of U.S. (June 1976) AD-A024 992

NOTE:

Requests for copies of particular publications for official use by Naval Units/Activities may be directed to this activity. While in print, copies of publications will be supplied from stocks on hand.

Registered, qualified users may request copies from the Defense Documentation Center, Cameron Station, Alexandria, VA 22314. Others may purchase copies from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

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CLIMATIC SUMMARIES FOR U.S. SUBSTATIONS

This climatic summary is prepared for over 1,000 substations in all states and Puerto Rico. It is published as Climatography of the U.S. No. 20. Each summary is based on a complete record for each station for the period 1951 through the latest complete year of record available at the time of preparation.

The four-page data summary for each location contains a means and extremes table; sequential tables for monthly and annual mean maximum, mean minimum and average temperature as well as total precipitation and total snowfall; monthly normals (1941-70) of temperature, precipitation, heating and cooling degree days; probability statistics for monthly precipitation, spring and fall freeze dates and freeze-free periods for five temperature thresholds.

An example of the summary format follows:

LATITUDE 420 00
LONGITUDE 001 00

CLIMATOLOGICAL SUMMARY

MEANS AND EXTREMES FOR PERIOD 1951-1974

LAKE ALBERT EXP STAS FL
ELEVATION 149

MONTH	TEMPERATURE (°F)											PRECIPITATION TOTALS (INCHES)																
	MEANS			EXTREMES			MEAN NUMBER OF DAYS					SNOW, SLEET										MEAN NUMBER OF DAYS						
	DAILY MAXIMUM	DAILY MINIMUM	MONTHLY	RECORD HIGHEST	YEAR	JAN	RECORD LOWEST	YEAR	JAN	W AND ABOVE 17° AND BELOW 32°	MIN	MEAN	GREATEST MONTHLY	YEAR	GREATEST DAILY	YEAR	DAY	MEAN	MAXIMUM MONTHLY	YEAR	GREATEST DEPTH	YEAR	DAY	10 or MORE	20 or MORE	100 or MORE		
JAN	72.2	48.2	60.2	85	73	9	24	68	31	0	0	3	0	2.24	6.74	66	3.30	64	12	.0						6	2	1
FEB	73.1	49.2	61.2	85	67	19	23	98	18	0	0	1	0	3.41	6.72	63	3.22	71	8	.0						9	2	1
MAR	78.0	54.2	66.1	84	74	28	32	61	8	0	0	0	0	3.82	10.76	59	4.27	60	16	.0						3	2	1
APR	83.2	59.4	71.3	84	80	23	37	62	17	3	0	0	0	2.40	6.66	51	3.13	57	11	.0						4	2	1
MAY	87.9	64.9	76.3	94	87	19	43	71	3	12	0	0	0	4.81	11.25	37	3.38	64	1	.0						6	3	1
JUN	90.3	70.1	80.2	94	84	18	58	63	2	19	0	0	0	7.30	17.08	68	5.70	72	19	.6						10	4	2
JULY	91.4	71.8	81.6	94	89	11	62	70	2	24	0	0	0	7.36	17.68	50	5.90	51	20	.0						12	3	2
AUG	91.9	72.0	81.8	94	79	6	64	66	14	24	0	0	0	7.21	14.90	67	4.08	53	29	.0						11	3	2
SEPT	89.6	70.3	80.1	97	67	6	53	56	27	18	0	0	0	6.48	19.44	68	5.10	60	19	.0						9	4	2
OCT	86.3	69.0	72.9	97	60	2	43	73	30	4	0	0	0	3.34	9.11	54	3.38	52	17	.0						5	2	1
NOV	77.9	54.0	66.3	94	71	2	26	70	23	0	0	0	0	1.93	6.82	63	4.08	51	16	.0						3	1	0
DEC	73.6	48.9	60.9	87	72	9	16	62	13	0	0	2	0	1.06	5.13	53	2.40	63	20	.0						3	1	1
YEAR	82.7	60.0	71.7	94	85	11	16	62	13	104	0	0	0	31.45	19.44	68	5.10	60	19	.0	.0	.0	.0	.0	.0	77	33	13

* ALSO ON EARLIER DATES

NAVAIR 50-1C-534

PARTIAL PROBABILITIES

TEMP	PROBABILITY OF LATER DATE IN SPRING (MAY/01) THAN INDICATED							
	.10	.20	.30	.40	.50	.60	.70	.80
92	2/27	2/19	2/19	2/ 8	2/ 3	1/30	1/24	1/18
90	2/12	2/ 2	1/20	1/10	1/12	1/ 3	12/21	9/ 0
88	1/ 3	11/24	0/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0
86	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0
84	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0

OF 9 PROBABILITY OF OCCURRENCE OF THRESHOLD TEMP IS LESS THAN INDICATED PROBABILITY

TEMP	PROBABILITY OF EARLIER DATE IN FALL (MAY/01) THAN INDICATED							
	.10	.20	.30	.40	.50	.60	.70	.80
92	11/20	12/ 5	12/14	12/21	12/28	1/ 4	1/11	1/20
90	12/10	12/29	12/38	1/ 3	1/12	1/22	2/ 1	0/ 0
88	12/31	2/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0
86	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0
84	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0

OF 9 PROBABILITY OF OCCURRENCE OF THRESHOLD TEMP IS LESS THAN INDICATED PROBABILITY

TEMP	PROBABILITY OF LOWER THAN INDICATED PRECIP PERIOD (MAY/01)							
	.10	.20	.30	.40	.50	.60	.70	.80
92	3305	3305	347	331	325	310	300	295
90	3305	3305	347	3305	3305	3305	330	310
88	3305	3305	3305	3305	3305	3305	3305	3305
86	3305	3305	3305	3305	3305	3305	3305	3305
84	3305	3305	3305	3305	3305	3305	3305	3305

PRECIPITATION WITH PROBABILITY EQUAL OR LESS THAN

AVG	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0.03	0.02	1.03	0.74	0.00	0.00	2.00	0.01	3.24	1.01	0.00	0.02	0.70
0.00	0.02	3.03	7.70	5.13	7.91	12.00	10.00	11.01	11.10	0.03	4.01	7.03
0.03	0.07	0.70	0.00	0.00	0.01	10.00	11.00	12.00	13.17	0.30	9.00	0.70

MEAN PRECIPITATION AMOUNTS (0.02 PROBABILITY LEVEL) IN THIS TABLE DERIVED FROM THE MEANS WHICH IN THE ABOVE TABLE BECAUSE OF THE METHOD USED IN MAKING THE COMPUTATIONS. THESE VALUES WERE DETERMINED FROM THE INCOMPLETE GAMMA DISTRIBUTION WHICH CURVE HAS BEEN FOUND TO GIVE BEST FIT TO PRECIPITATION CLIMATOLOGICAL SERIES.

STATION	04 4707											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
92	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
90	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
88	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
86	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
84	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
82	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
80	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
78	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
76	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
74	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
72	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
70	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
68	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
66	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
64	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
62	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
60	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
58	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
56	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
54	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
52	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
50	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
48	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
46	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
44	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
42	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
40	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
38	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
36	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
34	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
32	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
30	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
28	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
26	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
24	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
22	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
20	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
18	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
16	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
14	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
12	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
10	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
2	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1

POSITIVE MONTHLY TEMPERATURE PRECIPITATION AND MEETING AND COOLING DEGREE DAYS (1901-20)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPERATURE	60.3	63.7	64.3	75.4	74.4	82.4	81.0	81.0	80.3	70.3	60.4	71.8
PRECIPITATION	2.31	2.00	2.50	2.00	2.02	2.01	2.00	2.01	0.92	3.02	1.00	1.00
HEATING DEGREE DAY	104	170	94	12	0	0	0	0	0	0	64	120
COOLING DEGREE DAY	30	26	125	238	252	402	511	521	430	496	226	67

[illegible][illegible][illegible]

7. ANALYSIS IS USUALLY SO PARTIAL ESTIMATES.

† 1000000 24 1000000 100 1000000 100 1000000.

* THE OR ACCT DAYS OR RECORDS MISSING; IF AVERAGE VALUE IS ENTERED, LESS THAN 10 DAYS MISSING IS MISSING.

U.S. GOVERNMENT PRINTING OFFICE: 1970

NAVAIR 50-1C-534

STATION CLIMATIC SUMMARY

U.S. Navy and Marine Corps Meteorological Station Climatic Summaries (SCS) are available for most U.S. Navy and Marine Corps installations. These summaries generally consist of four pages; a narrative, two pages of tabular data (sample shown below) and a station history.

Two additional summaries are indexed under the SCS. These are the Air Weather Service Climatic Brief shown on the next page and the Local Climatological Data (LCD) for selected National Weather Service stations.

General note: When a summary is indicated under "Station Clim Sum" in Part II or III, the summary will be a SCS if the station is a Navy or Marine Corps installation, a Climatic Brief if the station is an Air Force or Army installation or a LCD if the station is a National Weather Service office.

PREPARED BY: NOTED AIRCRAFT				STATION NAME: LEMOORE, CALIFORNIA				PERIOD: JUL 01-DEC 70				STN LTG: 36° 00' N 120° 00' W			
APRIL 1971				LOCATION: 430 20 0110 11				ELEV: 1 200				STN LTG: 36° 00' N 120° 00' W			
MEAN NUMBER OF DAYS OCCURRING PER YEAR															
TEMPERATURE DEGREES F															
PRECIPITATION INCHES															
WIND SPEED MPH															
WIND DIRECTION DEGREES															
RELATIVE HUMIDITY PERCENT															
SEA LEVEL PRESSURE INCHES															
WIND CHILL DEGREES F															
HEAT INDEX DEGREES F															
WINDY PERCENT															
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AUSCLIMATIC BRIEF															PORT ORR/STATION AAR/STATION, CALIFORNIA PERIOD 1960-70															WBAN 93137	
Prepared by ETAC (MAR 1972)															# 36 41 V 123 46															WMO 6	
															FIELD ELEVATION: 154 FT/STN LTRS: 8048																
MONTH	TEMPERATURE (°F)				PRECIPITATION (in)				WIND (KT)				MEAN				MEAN NUMBER OF DAYS														
	EXTREME MAXIMUM	MAXIMUM	MEAN DAILY	MEAN DAILY MINIMUM	EXTREME MINIMUM	MEAN TOTAL	MEAN MAXIMUM	MEAN MINIMUM	MEAN DAILY	MEAN DAILY MINIMUM	MEAN DAILY MAXIMUM	MEAN DAILY AVERAGE	MEAN DAILY WIND	MEAN DAILY WIND DIRECTION	MEAN DAILY WIND SPEED	MEAN DAILY WIND VELOCITY	MEAN DAILY WIND RELATIVE HUMIDITY	MEAN DAILY WIND PRESSURE	MEAN DAILY WIND ALTITUDE	MEAN DAILY WIND DIRECTION	MEAN DAILY WIND SPEED	MEAN DAILY WIND VELOCITY	MEAN DAILY WIND RELATIVE HUMIDITY	MEAN DAILY WIND PRESSURE	MEAN DAILY WIND ALTITUDE	TEMPERATURE (°F)					
																										MEAN NUMBER OF DAYS					

REMARKS FOR: WET AND DAILY CHG: 600L-700L.

NOTE: DATA NOT AVAILABLE. LESS THAN 0.3 DAY, 0.3 OR 0.05 INCH, OR 0.5 PERCENT (3) AS APPLICABLE.

FLYING WEATHER (% FREQ)	HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EVR
CIG less than 3000 feet and/or VFR less than 3 miles	00-02	13	26	19	21	42	58	65	65	90	37	25	16	37	8
	03-05	17	29	23	30	56	70	77	78	99	41	26	13	44	9
	06-08	18	34	27	31	55	71	80	80	99	41	27	14	44	11
	09-11	12	16	17	19	32	49	51	50	35	24	15	14	28	11
	12-14	6	9	10	9	20	20	20	21	22	15	9	10	17	11
	15-17	6	10	11	10	28	26	41	41	30	25	12	9	22	11
	18-20	10	16	14	14	31	32	36	39	29	18	12	10	11	
	21-23	12	20	17	17	36	31	60	54	43	29	20	14	31	11
	ALL HOURS	12	18	18	19	38	52	57	54	41	29	18	13	28	
	00-02	11	20	12	14	30	49	64	64	46	32	21	11	20	8
CIG less than 1800 feet and/or VFR less than 3 miles	03-05	12	28	15	20	40	60	75	76	55	38	22	11	37	9
	06-08	10	18	18	21	41	60	78	76	54	31	21	11	37	11
	09-11	8	9	8	20	22	14	50	46	29	17	9	9	21	11
	12-14	3	4	3	5	14	20	28	28	20	11	1	4	12	11
	15-17	3	6	7	7	21	30	41	41	28	22	8	7	18	11
	18-20	3	12	10	11	27	43	37	35	36	26	14	9	26	11
	21-23	7	14	10	11	26	47	39	51	41	25	17	9	27	11
	ALL HOURS	7	13	10	12	27	43	46	54	37	25	13	9	26	
	00-02	7	17	9	13	22	37	62	59	41	28	17	10	27	8
	03-05	8	18	11	16	30	44	72	71	50	32	18	10	32	9
CIG less than 1000 feet and/or VFR less than 2 miles	06-08	6	13	12	17	30	43	71	71	47	30	17	9	31	11
	09-11	6	7	5	6	11	19	39	38	23	13	6	7	17	11
	12-14	2	2	2	2	7	9	18	21	11	8	2	1	8	11
	15-17	2	4	3	4	13	20	34	37	21	18	6	5	14	11
	18-20	4	8	6	8	19	34	52	51	31	23	12	7	21	11
	21-23	6	10	7	9	16	36	55	50	35	28	14	7	21	11
	ALL HOURS	5	9	7	9	19	30	49	49	32	20	11	7	21	
	00-02	3	8	3	3	5	8	21	27	18	16	10	5	11	8
	03-05	3	9	5	6	9	9	27	30	22	18	10	6	13	9
	06-08	4	7	5	7	7	7	18	23	19	13	10	5	11	11
CIG less than 300 feet and/or VFR less than 1 mile	09-11	2	3	2	2	0	0	4	4	1	2	2	1	1	11
	12-14	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	15-17	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	18-20	1	2	1	1	2	4	4	9	5	5	4	3	1	11
	21-23	2	4	1	1	1	7	14	20	12	8	7	3	7	11
	ALL HOURS	2	4	2	2	3	4	10	13	9	7	5	3	5	

AUS 0000, 41

AWSP 104-4, VOL 11

SURFACE WIND TABULATION

This summary is prepared by the National Climatic Center in accordance with the particular project specifications. Generally the format is the same as the Part C of the SMOS or USAF "C" Summary. The usual input data for this tabulation is the simultaneous observation of wind speed and direction recorded hourly, twenty-four times a day. The summaries are prepared for monthly, seasonal or annual periods. Exceptions are documented on the tabulations.

STATION NAME/NUMBER		WIND DIRECTION VERSUS WIND SPEED										PERIOD OF RECORD	
120 M (330 ft) Mast, Florida		24 Observations per day										1959-1960	
No.	Code	0-3	4-7	8-12	13-16	17-20	21-24	25-28	29-32	47 & Gt.	Total	Percent	Avg Speed
01	SE	25	64	141	213	51	12	2			508	8.4	12.4
	ENE	3	14	144	115	34	5				357	4.9	15.0
	ESE	11	44	73	48	3					251	3.6	16.4
	ENE	11	29	70	41	6					157	2.8	15.5
	E	22	22	48	34	2					144	2.3	1.4
	ESE	7	32	51	31	2					144	2.4	11.1
	SE	14	31	42	61	3					174	2.5	10.2
	ENE	17	4	21	42	6					128	1.9	10.1
	E	41	61	2	30	1					235	4.0	10.3
	ENE	14	22	144	30	13					279	3.8	11.6
	SE	2	14	11	30	3					133	2.3	9.9
	ENE	21	24	123	60	27	1	1			435	7.4	10.2
	W	40	174	174	155	26	3	1	1		137	4.8	9.9
	ENE	16	14	191	140	16	3				347	6.7	9.9
	NE	43	205	144	149	17					728	12.1	9.0
	ENE	24	174	174	113	21	1				625	8.1	9.9
	Cal.	14									378	6.4	
Total		354	1344	2055	1234	244	30	3	1		5731	100.0	9.7
Percent		14.7	52.4	84.1	50.5	10.0	1.2	.1	.1			100.0	

FORM 50-1C-534-1

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO)

The SSMO series of coastal marine summaries is managed and produced by the Naval Oceanography Command Detachment, Asheville. This standard summary presents 21 different tables of surface climatological data including various combinations of the regularly reported meteorological elements. The summaries are prepared for selected ocean or coastal areas utilizing all available ship observations within such areas. The SSMO program has also been used to summarize synoptic land data and ocean station vessel data. Summaries for land stations will not contain tables 17, 18, 19, or 20. This program has been modified as experience and needs have indicated. There will be some differences noted in the format of earlier summaries. Published volumes are grouped within the appropriate geographic areas (e.g. Chinese-Philippine Coastal SSMO series appears after China). Copies of published volumes are available from DDC or NTIS.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19.

<u>Table</u>	<u>Title</u>
1	Percentage Freq of Weather Occurrence by Wind Dir (8 pts.)
2	Percentage Freq of Weather Occurrence by Hour (GMT)
3	Percentage Freq of Wind Dir (8 pts) by Speed and by Hour (GMT)
3A	Percentage Freq of Wind Dir (8 pts) by Speed and by Hour (GMT)
4	Percentage Freq of Wind Speed by Hour (GMT)
5	Percentage Freq of Total Cloud Amt (Oktas) by Wind Dir (8 pts)
6	Percentage Freq of Ceiling Heights (ft, NH >4/8) and Occurrence of NH <5/8 by Wind Direction (8 pts)
7	Cumulative Percentage Freq of Occurrence of Ceiling Height(feet, NH >4/8)and Visibility (Nautical Miles)
7A	Percentage Freq of Low Cloud Amt (or Middle Cloud Amt if Low Clouds are not Present)
8	Percentage Freq of Wind Dir (8 pts) vs. Occurrence or Non-Occurrence of Precip at Ob Time with Varying Values of Vis (Nautical Miles)
9	Percentage Freq of Wind Dir (8 pts) vs Wind Spd (Kts) with Varying Values of Visibility (Nautical Miles)
10	Percentage Freq of Ceil Heights (ft, NH >4/8) and Occurrence of NH <5/8 by Hour (GMT)
11	Percentage Freq of Visibility (Nautical Miles) by Hour (GMT)
12	Cumulative Percentage Freq of Ranges of Vis (Nautical Miles) and Ceiling Height (feet, NH >4/8)by Hour (GMT)
13	Percentage Frequency of Relative Humidity (%) by Air Temperature (*F.)
14	Percentage Freq of Wind Direction (8 pts) by Air Temperature (*F.)
15	Means, Extremes, and Percentiles of Air Temp (*F.) by Hour (GMT)
16	Percentage Frequency of Relative Humidity (%) by Hour (GMT)
17	Percentage Freq of Air Temp (*F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (*F.)
18	Percentage Freq of Surface Wind Speed (kts) and Direction (8 pts) vs. Sea Height (feet)
19	Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds)
20	Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (*F.)
21	Monthly and Annual Sea Level Pressures (millibars)

NAVAIR 50-1C-534

ANNUAL

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1856-1971

TABLE 1

AREA 0017 CAPE MATTHEW
34.0N 146.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRIZ PCPN	SNOW	OTHER PRIN PCPN	HAIL	PCPN AT 05 TIME	PCPN PAST HOUR	THDR LTNG	PDS NO PCPN	PDS NO PAST HR	SMOKE HAZE	SPRAY BLUS DUST	NO SIG OBS
N	2.3	.0	1.3	.0	.1	.0	.0	4.6	2.6	.0	2.0	.1	3.5	.1	84.2
NE	4.0	1.2	1.0	.0	.0	.0	.0	0.0	3.3	1.1	1.5	.0	4.7	.0	82.3
E	3.2	1.3	2.2	.0	.0	.0	.0	0.0	4.3	1.0	.7	.0	3.5	.1	81.0
SE	3.3	1.7	2.2	.0	.0	.0	.0	0.9	3.3	1.4	.0	.0	3.3	.0	80.3
S	3.2	1.7	2.0	.0	.0	.0	.0	0.3	4.0	2.3	1.3	.1	4.5	.0	78.3
SW	3.4	1.6	1.1	.0	.0	.0	.0	3.8	3.2	3.2	1.0	.1	3.6	.1	80.0
W	2.2	1.0	1.0	.0	.0	.0	.0	4.2	2.5	2.6	1.1	.0	4.6	.1	83.2
NW	2.1	.0	.0	.0	.1	.0	.1	3.0	2.4	2.0	1.0	.1	3.0	.1	83.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3	.2	.7	.0	.0	.0	.0	2.2	1.7	1.0	2.0	.1	10.0	.0	81.4
TOT PCT	3.3	1.2	1.4	.0	.0	.0	.0	3.7	3.2	1.9	1.3	.1	4.7	.1	83.1
TOT OBS:117344															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRIZ PCPN	SNOW	OTHER PRIN PCPN	HAIL	PCPN AT 05 TIME	PCPN PAST HOUR	THOR LTNG	PDS NO PCPN	PDS NO PAST HR	SMOKE HAZE	SPRAY BLUS DUST	NO SIG OBS
0600	3.1	1.2	1.3	.0	.	.	.	3.4	2.8	1.0	1.0	.1	4.0	.1	84.1
0600-09	3.3	1.2	1.4	.0	.	.	.	0.0	3.0	4.0	1.2	.1	3.2	.1	82.1
1200	3.7	1.3	1.4	.0	.	.	.	0.2	3.8	1.0	1.0	.1	4.2	.1	83.1
1800	2.9	1.2	1.4	.0	.	.	.	3.3	3.2	.4	1.7	.1	0.3	.1	83.1
TOT PCT	3.3	1.2	1.4	.	.	.	.	3.7	3.2	1.9	1.3	.1	4.7	.1	83.1
TOT OBS:117033															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	.3	4.3	0.2	3.3	.3	.1		10.9	13.7		10.1	13.4	14.0	13.0	10.3	17.1	10.7
NE	.4	4.0	0.3	1.0	.2	.0		12.0	10.0		13.2	11.7	12.3	12.0	13.1	13.3	13.4
E	.4	3.5	0.7	.7	.1	.0		0.4	12.3		0.0	0.0	0.2	7.7	0.3	0.0	0.7
SE	.3	2.9	2.0	.4	.1	.0		0.0	13.1		7.3	0.2	7.4	4.0	0.0	0.4	0.3
S	.5	4.5	0.1	1.0	.3	.0		13.0	14.7		14.2	13.7	14.0	12.3	11.1	11.3	13.4
SW	.4	4.2	0.4	2.4	.2	.0		10.1	13.0		17.3	20.2	10.8	17.2	14.2	13.0	13.6
W	.3	3.7	0.0	2.2	.5	.0		12.7	13.4		11.3	10.0	13.0	13.4	10.1	12.0	12.7
NW	.3	3.0	0.3	2.4	.3	.1		11.0	13.1		10.2	9.4	11.3	12.3	13.1	12.1	11.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	1.0	.0	.0	.0	.0	.0		.0	.0		1.0	1.0	2.0	2.2	1.0	1.7	1.0
TOT OBS							129344		14.9		20103	1941	20394	4042	28122	1032	33230
TOT PCT	4.0	30.4	40.9	19.1	2.0	.3		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-6	7-10	11-21	22-33	34-40	41+					00	03	06	09	12	15	18
N	1.9	7.4	0.0	1.3	.2			10.9	13.7		10.0	14.9	13.4	13.0	10.3	10.4	
NE	1.7	0.4	3.9	.7	.1			12.0	10.0		13.1	12.3	12.1	12.0	13.3	13.4	
E	1.0	4.7	1.0	.0	.0			0.4	12.3		0.7	0.2	0.4	0.0	0.4		
SE	1.0	2.5	1.4	.3	.0			0.0	13.1		7.3	7.3	0.0	0.0	0.0		
S	2.1	0.0	3.3	.7	.1			13.0	14.7		14.3	13.0	11.1	11.3	13.4		
SW	1.0	0.3	3.0	1.0	.1			10.1	13.0		17.7	10.0	10.2	13.0			
W	1.4	0.2	3.0	1.1	.1			12.7	13.4		11.2	13.0	10.0	12.0	12.7		
NW	1.3	0.1	2.7	1.2	.1			11.0	13.1		10.1	11.7	13.1	11.0			
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.0	.0	.0	.0	.0			.0	.0		1.0	1.0	2.0	2.2	1.0	1.7	1.0
TOT OBS							129344		14.9		20104	19416	20394	4042	28122	1032	33230
TOT PCT	14.7	48.7	29.1	0.8	.7			100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

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ANNUAL (cont.)

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1956-1971

AREA 0017, CAPE MATTERAS
34.0N 74.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				40+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-29	30-47					
0600	1.0	3.0	30.1	40.8	19.4	2.7	.3	19.1	100.0	36104	
0600	2.0	3.0	31.6	40.0	14.9	2.7	.3	14.8	100.0	32678	
1200	1.7	3.3	29.9	40.9	19.4	2.5	.3	19.0	100.0	29974	
1800	1.4	3.6	29.9	47.7	19.0	2.4	.3	19.0	100.0	37000	
TOT								14.9		139964	
PCT	1.6	3.2	30.4	40.9	15.1	2.6	.3		100.0		

TABLE 5

PCT FREE OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCR	TOTAL OBS	MEAN CLOUD COVER
N	3.0	2.4	4.8	4.3		4.4
NE	3.2	2.1	3.7	3.0		3.0
E	1.0	1.4	2.6	2.9		2.3
SE	1.4	1.2	2.0	2.1		2.5
S	3.0	2.3	4.1	3.4		3.1
SW	4.7	2.9	4.0	3.5		4.3
W	4.3	2.1	3.0	2.5		4.1
NW	4.0	1.9	3.2	2.7		4.2
VAR	.0	.0	.0	.0		.0
CALM	.8	.3	.3	.7		3.1
TOT OBS					100023	4.0
TOT PCT	20.3	10.9	24.0	25.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <3/8 BY WIND DIRECTION

000 149	100 299	200 599	300 999	400 1999	500 2499	600 4999	700 6499	800 7999	900 9999	NM <3/8 ANY HGT	TOTAL OBS
.2	.1	.0	1.7	2.7	1.3	.3	.1	.1	.1	9.8	
.1	.0	.2	1.2	1.9	1.1	.3	.1	.1	.1	7.4	
.1	.0	.2	.8	1.2	.7	.2	.1	.0	.1	3.1	
.1	.0	.2	.8	1.0	.6	.2	.0	.0	.1	4.0	
.1	.1	.3	1.1	1.7	1.0	.3	.1	.1	.1	8.2	
.2	.1	.3	1.0	1.7	.9	.3	.1	.1	.1	11.0	
.1	.0	.2	.9	1.4	.9	.3	.1	.1	.1	8.7	
.1	.0	.2	1.0	1.7	1.0	.3	.1	.0	.0	7.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	1.3	
1.0	.4	2.0	0.3	13.3	7.7	2.4	.8	.3	.7	62.8	100023
											100.0

TABLE 7

CUMULATIVE PCT FREE OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VISIB (NM)

CEILING (FEET)	VISIB (NM)							
	>10	>9	>8	>7	>6	>5	>4	>3
>4999	.7	1.2	1.2	1.3	1.3	1.3	1.3	1.3
>3999	1.2	1.9	2.0	2.0	2.1	2.1	2.1	2.1
>2999	2.0	4.2	4.4	4.4	4.4	4.4	4.4	4.4
>1999	7.8	11.6	12.0	12.0	12.0	12.0	12.0	12.1
>1000	10.9	24.4	25.3	25.3	25.3	25.3	25.3	25.3
>900	21.8	32.1	33.0	33.0	33.0	34.0	34.0	34.0
>800	22.6	33.7	33.9	33.9	33.9	34.0	34.0	34.0
>700	22.8	34.0	33.8	33.2	34.3	34.3	34.4	34.4
>600	22.8	34.4	34.4	34.0	37.0	37.1	37.3	37.4

TOTAL NUMBER OF OBS: 100023

PCT FREE NM <3/8: 62.8

TABLE 7A

PERCENTAGE PROB OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
17.7	10.4	13.7	11.1	9.2	7.3	9.2	6.8	14.1	.7	109011

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ANNUAL (cont.)

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1950-1971

TABLE 8

AREA 0017 CAPE MATTERAS
34.0N 70.0W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (MM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-9	0	0	0	0	0	0	0	0	0	0	0	0
10-19	0	0	0	0	0	0	0	0	0	0	0	0
20-29	0	0	0	0	0	0	0	0	0	0	0	0
30-39	0	0	0	0	0	0	0	0	0	0	0	0
40-49	0	0	0	0	0	0	0	0	0	0	0	0
50-59	0	0	0	0	0	0	0	0	0	0	0	0
60-69	0	0	0	0	0	0	0	0	0	0	0	0
70-79	0	0	0	0	0	0	0	0	0	0	0	0
80-89	0	0	0	0	0	0	0	0	0	0	0	0
90-99	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (MM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-9	0	0	0	0	0	0	0	0	0	0	0	0
10-19	0	0	0	0	0	0	0	0	0	0	0	0
20-29	0	0	0	0	0	0	0	0	0	0	0	0
30-39	0	0	0	0	0	0	0	0	0	0	0	0
40-49	0	0	0	0	0	0	0	0	0	0	0	0
50-59	0	0	0	0	0	0	0	0	0	0	0	0
60-69	0	0	0	0	0	0	0	0	0	0	0	0
70-79	0	0	0	0	0	0	0	0	0	0	0	0
80-89	0	0	0	0	0	0	0	0	0	0	0	0
90-99	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0

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ANNUAL (cont.)

PERIOD: (PRIMARY) 1951-1971
(COVER-ALL) 1956-1971

TABLE 10

AREA 0017, CAPE MATTERAS
36.0N 76.0W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) AND
OCCURRENCE OF NM (370) BY HOUR

MOON (GMT)	000 149	150 209	300 309	600 909	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL OBS	HM ANY MGT	TOTAL OBS
00003	.0	.3	1.9	7.9	12.0	7.7	2.3	.0	.5	.0	33.7	64.3	26378
06009	1.1	.3	1.0	7.0	11.8	7.3	2.1	.0	.4	.0	32.9	67.1	26301
12016	1.0	.3	2.4	7.1	10.4	7.0	2.4	.0	.0	.7	39.3	69.7	26492
18021	.9	.4	2.1	9.1	10.0	7.8	2.4	.0	.0	.3	38.4	61.6	29810
TOT PCT	1.0	.4	2.0	6.3	13.2	7.9	2.3	.0	.5	.7	36.7	63.3	103101 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

MOON (GMT)	<1/2	1/2-1	1-2	2-3	3-10	10+	TOTAL OBS
00003	.4	.2	.7	3.3	24.2	71.0	29066
06009	.4	.3	.6	2.0	22.4	73.0	30100
12016	.6	.4	.8	3.0	21.9	72.8	26765
18021	.9	.3	.8	3.3	21.9	72.9	34997
TOT PCT	.9	.3	.7	3.3	22.0	72.0	122696 100.0

TABLE 12

CUMULATIVE PCT PROB OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET) AND/OR NM (370) BY HOUR

MOON (GMT)	<150 CEILING	150-300 CEILING	300-1000 CEILING	1000-10000 CEILING	HM ANY MGT	TOTAL OBS
00003	.9	3.3	13.2	24.1	52.7	23998
06009	1.2	3.2	11.8	23.3	53.9	23781
12016	1.1	4.2	13.3	23.6	59.1	23043
18021	.4	3.0	10.7	23.2	60.1	29048
TOT PCT	1.0	3.0	13.3	24.4	61.8	100679 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT PROB
05/00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
06/04	.0	.0	.0	.0	.1	.1	.0	.0	.3	.3
07/09	.0	.0	.0	.1	.5	.9	.4	.1	2.1	2.1
08/04	.0	.0	.1	.4	1.0	4.9	3.1	1.7	13.9	13.9
09/04	.0	.0	.2	1.0	2.3	5.6	5.0	3.4	18.1	18.1
10/04	.0	.0	.2	1.3	3.1	5.9	4.9	3.7	18.9	18.9
11/04	.0	.1	.4	1.5	2.9	7.9	5.9	1.8	19.8	19.8
12/04	.0	.1	.5	1.9	2.7	7.9	5.9	1.8	11.3	11.3
01/00	.0	.1	.5	1.9	1.0	2.1	1.7	1.1	0.7	0.7
02/04	.0	.1	.3	1.0	1.0	2.3	1.0	1.0	7.1	7.1
03/04	.0	.1	.2	.5	1.0	1.0	.8	.7	4.7	4.7
04/04	.0	.0	.1	.2	.7	.6	.3	.4	2.6	2.6
05/04	.0	.0	.0	.1	.7	.2	.2	.2	1.0	1.0
06/04	.0	.0	.0	.0	.0	.0	.1	.1	.3	.3
07/04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
08/04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
09/04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10/04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	2.9	9.0	10.9	20.1	20.2	17.1	99330 100.0	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
05/00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
06/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
07/09	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
08/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
09/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
10/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
11/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
12/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
01/00	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
02/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
03/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
04/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
05/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
06/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
07/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
08/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
09/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
10/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
11/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
12/04	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
TOT	17.3	13.0	8.4	6.0	12.9	19.8	12.0	11.0	.0	1.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY MOON

MOON (GMT)	MAX	99%	95%	50%	5%	MIN	MEAN	TOTAL OBS
00003	93	80	77	60	50	31	23 67.8	30092
06009	77	70	70	67	59	30	19 60.9	31474
12016	97	70	77	62	50	30	19 67.1	29919
18021	90	83	80	70	57	22	30 69.3	34867
TOT	99	81	78	66	54	31	19 67.6	126252

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY MOON

MOON (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.1	11.9	17.9	20.4	27.2	10.8	7.0	21.820	76	21820
06009	.0	10.0	19.3	24.3	28.7	19.9	7.8	21.800	78	21800
12016	.1	10.4	10.6	28.7	27.8	19.9	7.7	21.971	77	21971
18021	.1	13.8	21.7	27.4	27.8	19.2	7.4	21.172	74	21172
TOT	.3	11.032	10.919	23.117	23.644	19.693	7.6	21.992	76	21992

NAVAIR 50-1C-534

ANNUAL (cont.)

PERIOD: (PRIMARY) 1951-1971
(COVER-ALL) 1950-1971

TABLE 17

AREA 092/ CAPE MATTHEWS
34.0N 76.0W

MIS-SEA TEMP DIF	PCT FREE OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)																	TOT	N FOG	NO FOG
	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77	81			
20/20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	.0	.0
20/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.0
20/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	.0	.0
20/35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	287	.0	.0
20/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	472	.0	.0
20/45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1039	.0	.0
20/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1303	.0	.0
20/55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2092	.0	.0
20/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1931	.0	.0
20/65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2007	.0	.0
20/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2305	.0	.0
20/75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2094	.0	.0
20/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4199	.0	.0
20/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4677	.0	.0
20/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7067	.0	.0
20/95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6107	.0	.0
20/100	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7519	.0	.0
20/105	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5432	.0	.0
20/110	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6960	.0	.0
20/115	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6782	.0	.0
20/120	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5944	.0	.0
20/125	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7168	.0	.0
20/130	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7706	.0	.0
20/135	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4268	.0	.0
20/140	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3693	.0	.0
20/145	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2297	.0	.0
20/150	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2209	.0	.0
20/155	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1908	.0	.0
20/160	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12932	.0	.0
TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1.3	98.7

PERIOD: COVER-ALL: 1962-1971

TABLE 18

PCT FREE OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

MIS-SEA TEMP DIF	PCT FREE OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)																	TOT	N FOG	NO FOG
	1-3	4-10	11-21	22-39	40-67	68-95	96-123	124-151	152-179	180-207	208-235	236-263	264-291	292-319	320-347	348-375	376-403			
1-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	.0	.0
22-39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	287	.0	.0
40-67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	472	.0	.0
68-95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1039	.0	.0
96-123	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1303	.0	.0
124-151	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2092	.0	.0
152-179	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1931	.0	.0
180-207	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2007	.0	.0
208-235	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2305	.0	.0
236-263	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2094	.0	.0
264-291	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4199	.0	.0
292-319	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4677	.0	.0
320-347	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7067	.0	.0
348-375	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6107	.0	.0
376-403	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7519	.0	.0
404-431	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5432	.0	.0
432-459	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6960	.0	.0
460-487	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6782	.0	.0
488-515	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5944	.0	.0
516-543	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7168	.0	.0
544-571	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7706	.0	.0
572-599	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4268	.0	.0
600-627	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3693	.0	.0
628-655	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2297	.0	.0
656-683	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2209	.0	.0
684-711	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1908	.0	.0
712-739	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12932	.0	.0
TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1.3	98.7

ANNUAL (cont.)

AREA 0017 CAPE MATTHEW
24.0N 74.0W

[illegible]

DATE	1-9	6-10	11-21	22-33	34-47	48-	PCT	1-9	6-10	11-21	22-33	34-47	48-	PCT	TOTAL PCT
1	.1	.0	.1	.0	.0	.0	.7	.1	.0	.0	.0	.0	.0	.0	.6
1-2	.1	1.0	1.0	.0	.0	.0	1.0	.1	1.0	.0	.0	.0	.0	.0	1.2
3-4	.0	.0	2.2	.0	.0	.0	3.0	.0	.0	1.0	.0	.0	.0	.0	3.0
5-6	.0	.2	1.4	.0	.0	.0	2.0	.0	.2	1.0	.0	.0	.0	.0	2.0
7	.0	.0	.4	.0	.1	.0	1.0	.0	.0	1.0	.0	.1	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
10-11	.0	.0	.1	.0	.1	.0	.4	.0	.0	.1	.0	.1	.0	.0	.0
12	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2
13-16	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87-	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.1	6.0	2.4	.0	.0	12.3	.2	1.0	2.3	2.4	.0	.0	11.9	98.7

WGT	0-3	6-10	11-21	22-39	40-67	68+	PCT	TC
41	2.1	4.8	.5	.0	.0	.0	7.2	50
1-2	.8	12.7	9.3	.0	.0	.0	32.8	
3-6	.2	7.6	15.6	2.7	.0	.0	28.5	
7-9	.0	1.8	12.6	9.7	.2	.0	15.4	
10	.0	.1	9.8	4.2	.0	.0	15.0	
10-11	.0	.0	.7	1.0	.3	.0	3.2	
12	.0	.0	.2	.8	.4	.0	1.3	
12-18	.0	.0	.1	.7	.4	.1	1.4	
17-18	.0	.0	.0	.1	.0	.0	.2	
20-27	.0	.0	.0	.0	.1	.0	.2	
27-29	.0	.0	.0	.0	.1	.0	.1	
29-32	.0	.0	.0	.0	.0	.0	.2	
33-48	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-64	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-80	.0	.0	.0	.0	.0	.0	.0	
81+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.1	27.3	49.7	16.7	2.9	.2	100.0	2817

SPACENT FREQUENCY OF DAYS HEIGHT (FT) VS WAVE PERIOD (SECONDS)

[illegible]

NAVAIR 50-1C-534

ANNUAL (cont.)

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1950-1971

AREA 0017 CAPE MATTERAS
30.0N 76.0W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TEMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
90+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
25/26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
23/24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
21/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
19/20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
17/18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
15/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
13/14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
11/12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
9/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
7/8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
5/6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
3/4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
1/2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	9639	9407	11038	10992	12247	10831	10178	10308	10038	10420	10433	9291	24141	100.0
MEAN	87.4	84.1	85.6	86.1	72.7	77.6	81.1	82.0	86.4	74.9	73.3	70.1	79.4	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MC	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL 005
JAN	1019	1020	1019	1018	1019	1021	1019	1019	1019	9961
FEB	1017	1017	1017	1017	1018	1018	1019	1017	1017	9154
MAR	1016	1016	1016	1016	1017	1016	1016	1016	1016	10700
APR	1017	1018	1017	1016	1017	1016	1017	1016	1017	10794
MAY	1017	1017	1017	1016	1017	1016	1017	1016	1017	10040
JUN	1016	1017	1016	1016	1016	1017	1017	1016	1017	10473
JUL	1017	1019	1019	1018	1016	1018	1019	1017	1017	9804
AUG	1018	1017	1017	1017	1017	1019	1017	1017	1017	9930
SEP	1017	1018	1018	1017	1019	1018	1018	1017	1017	9310
OCT	1017	1018	1017	1016	1017	1017	1017	1017	1017	9651
NOV	1016	1018	1018	1018	1018	1019	1018	1017	1017	10052
DEC	1019	1019	1019	1018	1018	1021	1019	1018	1018	9856
ANN	1017	1018	1017	1017	1018	1018	1018	1017	1017	119307
TOTAL	26454	26420	26420	26443	26340	26377	26309	26304		

PERCENTILES

MC	MIN	10	25	50	75	90	95	MAX
JAN	984	990	1003	1014	1019	1023	1031	1044
FEB	984	990	1001	1012	1018	1023	1031	1041
MAR	985	990	1003	1011	1016	1021	1028	1041
APR	982	990	1004	1012	1017	1022	1028	1031
MAY	988	1007	1009	1013	1019	1021	1029	1030
JUN	986	1003	1009	1014	1017	1019	1023	1026
JUL	1001	1007	1011	1013	1018	1020	1024	1031
AUG	972	1004	1010	1013	1017	1019	1023	1033
SEP	990	1004	1009	1013	1018	1021	1024	1034
OCT	993	1000	1009	1013	1018	1022	1027	1037
NOV	990	1000	1006	1013	1019	1023	1028	1030
DEC	990	998	1003	1011	1020	1024	1030	1044

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CEILING VISIBILITY WIND TABULATION

This summary is prepared by the National Climatic Center in accordance with the particular project specifications. The tabulation presents a distribution of ceiling, visibility and wind speed by direction to 16 points and calm. The complete tabulation consists of 17 separate summaries - one for each direction and calm for the period of record.

This format is similar to the annual table for surface winds meeting specified ceiling and visibility conditions of the SMOS (Part C) or the USAF "C" Summary.

CEILING VISIBILITY WIND TABULATION

STATION: CENNA CAMP, IOWA		24 OBSERVATIONS PER DAY		PERIOD: JANUARY 1944 - DECEMBER 1944							
DIA. (10 ft)	CEILING (feet)	WIND SPEED CLASSES (M.P.H.)	VISIBILITY IN MILES							TOTAL OBSERVATIONS	
			0-1/4	1/4-1/2	1/2-3/4	3/4-1	1 1/4-1 1/2	1 3/4-2 1/2	3+		
NW	1000+	01-04					2		37	39	
		05-09				3	4	7	101	115	
		10-14				2		4	57	63	
		15-29				1	2	4	97	104	
		30+							1	1	
		TOT.				6	6	17	197	205	
	600-699	01-04						1	1	19	21
		05-09						1	4	23	28
		10-14				1	1	1	20	23	
		15-29				1	1	2	20	24	
		30+			1	1				2	
		TOT.			1	2	2	11	52	57	
	300-399	01-04									
		05-09				1				4	5
		10-14				1	1			2	4
		15-29						2	1	7	10
		30+									
		TOT.			1	2	2	3	3	13	17
	100-199	01-04									
		05-09				1			1	2	4
		10-14			1	1		2	3	3	7
		15-29			1	1	1		4	7	10
		30+									
		TOT.			2	2	2	3	7	13	17
	50-99	01-04									
		05-09				2	1				3
		10-14			1	1	2	1	2	3	7
		15-29									
		30+									
		TOT.			2	2	2	1	2	2	7
	200-299	01-04									
		05-09	1	1			1				3
		10-14	1	1	1						3
		15-29	1								1
		30+									
		TOT.	2	2	1		1				5
0-199	01-04										
	05-09	1	1							2	
	10-14	1	1							2	
	15-29	1								1	
	30+										
	TOT.	2	2							2	
TOTAL BY VISIBILITY			10	13	4	20	27	36	397	427	
WIND SPEED CLASSES			01-04	05-09	10-14	15-29	30+	CALM			
TOTAL PERCENT			39	113	97	104	7			220	
PERCENTAGE FREQUENCY			1.8	33.9	25.8	33.7	0.7			100	
PERCENT BY DIRECTION AND TOTAL								7.3		4264	

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WORLD-WIDE AIRFIELD SUMMARIES

These summaries were prepared by the Environmental Technical Applications Center (ETAC), Air Weather Service, and were provided in the form of magnetic tape. They were compiled into book form, by country or geographical area, for promulgation to Naval Weather Service Units. These summaries constitute a series of compilations which are world-wide in scope. It consists of climatological summaries for selected airfields and for the climatic areas in which they are located. The series includes data for approximately 4,000 stations and consist of 12 volumes. Copies of these volumes are available from the Defense Documentation Center (DDC) or the National Technical Information Service (NTIS). The pages are generally self-explanatory with an introduction in each volume.

In this summary series, the "period of record" varies considerably for any given station between particular elements summarized. For example, the period of record for temperature may not be the same as that for cloud cover. This fact renders the normal use of numbers in the columns under the summaries meaningless. Hence, a letter is utilized under the World-wide Airfield Summary Column in an attempt to provide the specific volume of the series in which a station is located.

The following table identifies the volumes and titles of the series by a letter.

	<u>Vol. No.</u>	<u>Title</u>	<u>DDC Accession No.</u>
A	I	Southeast Asia (Revised)	AD 706-355
B	II	Middle East (Revised)	AD A002-162 & 163
C	V	Australia, New Zealand and South Pacific Islands	AD 662-648
D	VIII	United States	
		West Coast	AD 688-472
		Rocky Mountains	AD 689-792
		Plains	AD 693-491
		Great Lakes	AD 696-971
		Mississippi Valley	AD 699-917
		Southeast	AD 701-719
		East Coast	AD 703-606
		Alaska & Hawaii	AD 704-607
E	IX	Africa	AD 682-915
F	VI	South America	AD 664-828 & 829
G	IV	Canada, Greenland, Iceland	AD 662-424
H	VII	Central America	AD 671-845
I	X	Europe	
		Scandinavia	AD 719-907
		British Isles	AD 719-908
		Southwest Europe	AD 720-708
		Mediterranean	AD 720-160
J	III	Far East	AD 662-426
K	XI	Eastern Europe & USSR	AD 776-611 & 612
L	XII	China	AD 776-613 & 516

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World-Wide Airfield Summaries (cont.)

DARWIN, AUSTRALIA

STA NO. 04120 ICA AREA NUMBER 011 LATITUDE 12255 LONGITUDE 13052E ELEVATION(FT) 00104

PARAMETER DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	POR	MO.
ABG MAX TMP (F)	100	101	102	104	102	99	96	98	102	105	103	102	105	99	-020
MEAN MAX TMP (F)	96	96	91	92	91	88	87	89	91	93	94	92	91	90	-20
MEAN MIN TMP (F)	77	77	77	76	73	69	67	70	74	77	78	78	76	76	-20
QDS MIN TMP (F)	60	53	60	64	59	55	56	57	63	69	67	69	55	56	-320
MEAN NO DYS TMP • ON GTR 00(F)	10.0	7.0	10.0	10.2	14.1	3.0	4.1	0.3	13.5	22.2	26.4	19.0	100.5	10	3691
MEAN NO DYS TMP • ON LES 32(F)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3649
MEAN NO DYS TMP • ON LES 01(F)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3649
MEAN DEN PT TMP (F)	75	75	75	71	69	69	60	61	67	72	74	75	69	10	29904
MEAN REL HUM (PCT)	79	76	75	62	55	54	52	54	57	59	63	69	62	57	-20
MEAN PRESS ALT (FT)	400	390	390	290	200	200	195	200	200	290	300	390	267	0	-90
MEAN PRECIP (IN)	19.20	12.90	10.00	3.00	0.00	0.10	0.03	0.10	0.30	2.00	4.70	9.00	50.7	70	-20
MEAN SNOW FALL (IN)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	-20
MEAN NO DYS PRCP • ON GTR 0.1 IN	10.0	10.0	15.5	11.5	0.0	1.5	1.2	1.5	1.2	9.7	11.4	19.2	107.5	70	-20
MEAN NO DYS SNFL • ON GTR 1.0 IN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	-20
MEAN NO DYS W/OCLD VSBY LES 1/2 MI	0.3	0.2	0.0	0.2	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.2	1.0	10	3644
MEAN NO DYS TSTMS	10.1	0.0	10.0	4.2	0.0	0.0	0.1	0.0	0.0	4.1	11.0	12.2	61.0	10	3691
P DREQ WND SPD • ON GTR 17 KTS	2.2	2.9	1.0	2.3	2.0	2.0	2.4	2.0	2.2	0.0	0.0	1.0	2.0	10	29910
P DREQ WND SPD • ON GTR 20 KTS	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	10	29910
P DREQ LES 3000 FT A/D LES 5 MI	0.1	11.0	7.0	0.3	1.0	1.0	2.0	1.0	3.5	5.1	9.1	7.5	9.2	10	29423
P DREQ LES 1500 FT A/D LES 5 MI	0.2	3.3	1.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.4	7	2360
POR 00-02 LST	2.0	3.3	2.0	2.0	0.0	0.0	1.0	0.0	9.7	1.0	1.0	1.0	1.0	10	3639
03-05 LST	3.0	4.2	1.0	1.0	0.3	0.7	0.0	0.0	0.7	0.0	1.0	2.3	1.3	10	3649
06-08 LST	2.0	9.0	1.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.1	10	3642
09-11 LST	1.0	4.2	1.0	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.3	10	3643
12-14 LST	2.0	0.0	1.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	10	3647
15-17 LST	1.0	3.2	1.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3642
18-20 LST	1.1	5.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.2	4	1279
P DREQ LES 300 FT A/D LES 1 MI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7	2360
POR 00-02 LST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3639
03-05 LST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3649
06-08 LST	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3642
09-11 LST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3643
12-14 LST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3647
15-17 LST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3642
18-20 LST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4	1279

World-Wide Airfield Summaries (cont.)

DARWIN, AUSTRALIA

MEAN NUMBER OF DAYS

PARAMETER DESCRIPTION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	FOR (YRS)	NO.
CIG > 6TR 1000 FT AND VSBY > 6TR 3 MI	09 LST	30.2	26.9	30.4	29.8	31.4	29.8	30.9	30.1	29.3	30.6	29.9	30.7	300.0	10	3690
	15 LST	30.9	27.0	30.7	29.6	30.8	29.6	31.0	30.8	29.7	30.5	29.9	30.1	301.0	10	3690
	21 LST	30.7	27.2	31.0	29.4	31.0	29.8	31.0	31.0	29.9	30.4	29.8	30.7	302.1	10	3642
	03 LST	30.3	26.8	30.4	29.1	30.9	29.8	31.0	31.0	29.8	30.6	29.6	30.7	300.2	10	3690
CIG > 6TR 2000 FT AND VSBY > 6TR 3 MI W/MFC UND LES 10 KTS	09 LST	24.9	22.9	27.0	23.9	23.0	21.6	23.3	23.2	26.7	28.3	27.7	26.1	302.2	10	3690
	15 LST	19.0	12.7	16.0	14.2	11.4	13.4	13.8	10.3	7.0	10.0	13.6	19.0	194.0	10	3690
	21 LST	24.0	22.1	27.1	27.0	20.4	20.7	29.3	27.6	33.2	26.9	26.1	324.0		10	3642
	03 LST	24.1	21.2	26.0	26.6	29.4	27.6	29.0	29.7	29.1	28.9	27.6	26.0	329.0	10	3690
SFC UND < 6TR 17 KTS AND NO PRECIP.	09 LST	0.4	0.6	0.3	0.0	0.3	0.7	0.1	0.3	0.0	0.0	0.0	0.2	2.0	10	3692
	15 LST	0.0	1.1	0.8	0.0	1.7	1.0	1.9	1.3	1.8	0.8	0.9	0.8	14.4	10	3692
	21 LST	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.1	10	3640
	03 LST	0.4	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	10	3692
SFC UND < 10 KTS AND TWO 33-39 DEG F AND NO PRECIP.	09 LST	16.7	11.0	14.0	17.0	19.4	20.4	17.8	17.3	18.9	10.1	17.7	19.2	204.0	10	3692
	15 LST	11.7	13.4	13.9	12.0	13.9	17.4	18.4	14.3	11.0	11.0	0.4	9.0	136.0	10	3692
	21 LST	19.0	12.7	11.7	9.3	11.9	12.1	12.0	13.0	14.2	21.1	17.4	19.0	167.0	10	3640
	03 LST	12.7	9.8	9.7	8.5	11.7	11.9	10.9	8.7	9.7	13.9	12.4	12.0	130.4	10	3691
SKY COVER LES 3/10 AND VSBY > 6TR 3 MI	09 LST	3.0	0.9	3.0	0.6	16.7	10.0	20.1	10.8	17.3	0.0	9.1	3.3	123.4	10	3691
	15 LST	1.9	1.0	2.7	3.2	12.0	14.9	16.0	10.7	17.6	13.4	6.4	2.9	112.0	10	3690
	21 LST	3.7	1.0	0.4	13.3	22.3	21.3	24.0	24.0	24.1	10.3	8.9	4.7	179.0	10	3647
	03 LST	7.0	3.0	9.2	13.0	22.4	22.1	24.1	23.0	20.0	17.7	11.7	6.0	109.0	10	3691
CIG > 6TR 2500 FT AND VSBY > 6TR 3 MI	09 LST	20.0	23.9	20.1	20.4	30.9	29.6	30.7	30.0	29.2	29.3	29.0	29.3	330.0	10	3690
	15 LST	29.3	23.9	20.1	20.4	30.0	29.6	30.0	30.0	29.7	30.3	29.6	29.9	334.0	10	3690
	21 LST	30.1	26.3	30.7	29.1	31.0	29.8	30.9	31.0	29.9	30.4	29.9	30.2	330.4	10	3642
	03 LST	28.9	23.3	29.3	20.3	30.9	27.7	30.3	30.0	29.9	29.1	29.9	29.9	331.3	10	3690
CIG > 6TR 4000 FT AND VSBY > 6TR 3 MI	09 LST	20.1	24.4	20.4	20.1	30.6	29.2	30.0	29.3	20.9	27.1	27.9	20.4	341.2	10	3690
	15 LST	27.3	23.7	20.9	20.7	29.7	29.1	30.3	30.1	29.2	29.7	20.4	20.3	330.0	10	3690
	21 LST	29.7	23.0	20.9	20.1	30.7	29.7	30.8	30.7	29.9	30.1	29.0	29.7	334.0	10	3642
	03 LST	20.1	24.2	20.9	20.2	30.4	29.1	29.6	30.2	27.3	28.2	20.0	20.0	341.1	10	3690
CIG > 6TR 10000 FT AND VSBY > 6TR 3 MI	09 LST	20.1	24.4	20.4	20.1	30.6	29.1	29.0	29.3	20.3	26.0	27.0	20.4	342.1	10	3690
	15 LST	27.3	23.7	20.9	20.7	29.7	29.0	30.2	30.9	20.2	27.7	20.0	20.3	330.7	10	3690
	21 LST	29.7	23.9	20.8	20.0	30.7	29.4	30.3	30.3	29.7	30.1	29.0	29.3	332.0	10	3642
	03 LST	20.3	24.2	20.0	20.7	30.3	23.0	29.1	29.9	27.3	28.2	20.0	20.9	330.7	10	3690

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World-Wide Airfield Summaries (cont.)

AREA NO. 01

AUSTRALIA		NORTHERN COAST					LATITUDE 1700S				LONGITUDE 13200E				
PARAMETER DESCRIPTION		BOUNDARIES		2000S 11300E	2000S 11600E	2000S 11900E	2000S 12200E	2000S 12500E	2000S 12800E	2000S 13100E	2000S 13400E	2000S 13700E	2000S 14000E		
		2000S 13700E	2000S 14000E	2000S 14300E	2000S 14600E	2000S 14900E	2000S 15200E	2000S 15500E	2000S 15800E	2000S 16100E	2000S 16400E	2000S 16700E	2000S 17000E		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	
MEAN MAX TMP (F)		94	93	93	90	83	81	80	84	89	93	95	95	95	
MEAN MIN TMP (F)		76	76	74	69	63	58	54	59	64	70	74	76	68	
LARGEST MEAN PRECIP(IN)		10.20	15.00	10.10	11.30	4.40	3.10	1.70	1.70	1.70	2.10	4.70	9.40	92.2	
SMALLEST MEAN PRECIP(IN)		0.90	1.10	1.00	0.30	0.20	0.10	0.03	0.03	0.00	0.00	0.00	0.20	4.7	
		MEAN NUMBER OF DAYS													
CIG > 6TR 1000 FT AND VSBY > 6TR 3 MI		09 LST	30.4	27.2	30.1	29.6	30.7	29.7	30.6	30.8	29.8	30.7	29.9	30.6	300.1
		15 LST	30.3	27.5	30.3	29.8	30.7	29.9	30.8	31.0	29.8	30.7	29.9	30.7	301.3
		21 LST	30.3	27.5	30.6	29.8	30.6	29.8	30.7	30.3	29.7	30.8	29.9	30.8	301.7
		03 LST	30.3	27.6	30.6	29.7	30.6	29.7	30.4	30.4	29.1	30.6	29.8	30.8	309.4
CIG > 6TR 2000 FT AND VSBY > 6TR 3 MI W/SFC AND LES 10 KTS		09 LST	21.2	19.7	21.3	19.7	19.6	18.1	18.9	19.6	16.7	17.6	19.3	20.2	230.9
		15 LST	19.1	14.3	16.3	16.9	18.7	17.6	18.1	16.7	13.3	12.6	13.1	14.3	187.2
		21 LST	20.3	18.8	22.3	24.3	26.7	25.2	26.2	26.4	22.4	21.9	19.8	20.8	275.3
		03 LST	25.1	21.6	23.9	23.2	26.1	24.3	24.6	26.0	23.9	23.0	24.3	24.6	296.8
SFC WND > 6TR 17 KTS AND NO PRECIP.		09 LST	1.1	1.0	1.0	1.3	1.3	1.7	1.3	2.0	2.6	2.3	1.3	0.9	18.2
		15 LST	2.1	1.6	1.6	1.3	1.6	1.7	1.9	1.8	2.3	2.2	2.2	2.3	23.2
		21 LST	1.0	1.2	1.4	0.3	0.4	0.3	0.4	0.4	0.9	1.0	1.3	1.6	11.2
		03 LST	0.4	0.7	0.4	0.3	0.3	0.7	0.4	0.3	0.4	0.7	0.3	0.7	7.3
SFC WND 4-10 KTS AND TMP 33-39 DEG F AND NO PRECIP.		09 LST	12.6	11.6	13.4	16.0	17.0	16.6	17.0	16.4	15.4	13.3	14.4	13.0	178.7
		15 LST	8.0	6.1	8.4	12.0	16.9	17.7	18.1	16.7	11.0	8.8	8.2	7.5	141.4
		21 LST	10.2	9.2	10.3	14.2	14.8	15.3	16.7	16.3	14.7	12.6	11.8	10.3	134.8
		03 LST	11.3	9.4	11.1	12.2	12.0	13.2	13.9	12.3	12.4	13.2	13.2	11.7	147.1
SKY COVER LES 3/10 AND VSBY > 6TR 3 MI		09 LST	8.1	9.0	11.3	13.3	15.6	17.0	18.3	20.1	19.8	16.3	13.3	9.8	160.9
		15 LST	7.3	4.9	9.1	10.8	13.8	16.3	18.3	19.6	19.9	17.8	13.4	9.7	143.1
		21 LST	9.4	7.2	13.2	15.2	19.2	19.3	21.2	23.4	22.8	21.2	17.6	13.1	203.0
		03 LST	11.1	9.9	14.3	17.4	20.0	20.6	21.1	22.9	22.1	19.9	16.8	12.9	208.0
CIG > 6TR 2500 FT AND VSBY > 6TR 3 MI		09 LST	29.0	24.6	28.1	29.0	29.3	28.3	29.2	29.9	28.7	29.1	28.3	28.3	340.2
		15 LST	28.4	25.1	28.4	28.7	29.9	28.7	28.2	28.4	29.3	28.2	29.3	29.7	340.3
		21 LST	28.8	25.4	29.0	29.3	29.9	28.3	29.0	28.3	29.7	29.8	29.2	29.7	347.1
		03 LST	28.7	25.1	28.8	28.3	29.7	28.3	28.9	29.6	27.9	29.1	28.6	28.0	342.3
CIG > 6TR 4000 FT AND VSBY > 6TR 3 MI		09 LST	25.9	22.8	26.4	26.4	26.3	26.4	27.0	27.9	27.0	26.9	26.6	26.6	318.2
		15 LST	23.9	21.9	23.6	26.4	28.3	27.0	28.3	28.2	28.0	28.6	27.8	27.8	324.0
		21 LST	27.4	23.6	27.3	27.2	28.6	28.9	27.8	28.7	27.7	28.7	27.9	27.9	329.9
		03 LST	27.0	23.0	27.0	27.3	28.3	28.7	28.4	28.0	28.7	27.8	27.3	27.2	322.7
CIG > 6TR 10000 FT AND VSBY > 6TR 3 MI		09 LST	23.7	22.3	26.1	26.3	26.1	26.1	26.4	27.6	26.7	26.7	26.4	26.4	314.0
		15 LST	24.0	21.2	24.9	25.7	27.9	26.3	27.7	28.9	27.3	27.8	26.6	25.3	314.6
		21 LST	24.9	23.8	27.1	26.9	28.2	28.1	27.2	28.4	27.3	28.4	27.7	27.3	324.3
		03 LST	26.7	22.6	26.3	27.2	28.0	26.3	25.8	27.7	26.3	27.3	26.9	26.6	318.3

099

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE
(SMOS)

This standard summary is prepared from Navy and Marine Corps surface meteorological records. The available period of record for most stations begins after 1949. These summaries are routinely updated after each additional five years of record becomes available. Examples of the different bivariate percentage frequency distributions for the various parameters are provided in the following pages. The format of each of the examples is essentially self-explanatory.

Part A - Weather Conditions/Atmospheric Phenomena

Part B - Precipitation/Snowfall/Snow Depth

Part C - Surface Winds

Part D - Ceiling versus Visibility/Sky Cover

Part E - Psychrometric Summaries

Part F - Station Pressure/Sea Level Pressure

The current SMOS summaries are available on microfiche from DDC/NTIS. Defense Documentation Center (DDC), Cameron Station, Alexandria, VA 22314 or National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161.

Part "A" Summary: Weather Conditions

This summary consists of the percentage-frequency of occurrence of various atmospheric phenomena and obstructions to vision derived from hourly observations and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

WEATHER CONDITIONS

22514

BARRERS POINT, HAWAII MOVED

49-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS R.S.T.	THUNDER- STORMS	RAIN AMT./OR DRIZZLE	FREEZING RAIN S/OR DRIZZLE	SNOW AMT./OR SLFT	HAZE	% OF OBS WITH PRECIP.	FOG	SMOG AMT./OR HAZE	BLOWING SNOW	SWIRL AMT./OR RAID	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.5	6.0				6.0		.3			.3	1952
	03-05	.5	6.2				6.2		.4			.4	1953
	06-08	.4	6.1				6.1		.3			.3	2046
	09-11	.3	5.4				5.4		.3			.3	2046
	12-14	.4	5.2				5.2		.3			.3	2045
	15-17	.2	5.0				5.0		.3			.3	2043
	18-20	.1	4.5				4.5		.4			.4	2046
	21-23	.4	5.1				5.1		.5			.5	1984
TOTALS		.4	5.4				5.4		.4			.4	16115

NAVAIR 50-1C-534

Part "A" (cont.)

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII MWSD

JANUARY 49 - DECEMBER 70

JANUARY

ALL

WIND DIRECTION	CLW	FAW SMOKESS	DRZL	THUNDER RAIN SHEDDING DRZL	THUNDER ICE CRYSTALS	THUNDER SMALL DRZL DRZL	THUNDER SMALL DRZL DRZL	THUNDER	FOG	ICE FOG DRZL DRZL	SMOKE WAZE	BLOWING SMOKE	BLOWING SMOKE AND DRZL	NO WEATHER
N	2.4	3.1						.5						94.5
NNE	1.6	2.9						.1						95.5
NE	.8	1.9	.1					.1			.4			96.8
ENE	.6	3.0						.3			.0			96.3
E	2.1	4.3	.1					.2						93.4
ESE	2.3	4.2						1.0						93.5
SE	2.3	3.3	.2								.3			93.9
SSE	2.4	3.6												94.0
S	2.4	5.2						1.3			.3			91.6
SSW	2.3	6.2						1.2			2.9			88.1
SW	2.3	6.3	.1					.5			1.4			89.9
WSW	3.0	7.3						.7			1.2			88.5
W	1.9	7.5						.9			.7			90.0
WNW	1.6	9.7						.8						88.7
W	2.1	8.5	.4											88.3
WNW	1.3	4.0												94.7
VARIABLE														
CALM	1.5	2.8						.8			.4			84.3
TOTAL	252	618	.6					58			58			15169
% TOTAL	1.6	3.8	.0					.4			.4			94.1

TOTAL NUMBER OF OBSERVATIONS 16,115

Part "B" Summary: Precipitation, Snowfall and Snow Depth.

This summary presents in two sets of tables the daily amounts and extreme values of the following: Precipitation, Snowfall, and Snow Depth; all derived from daily observations.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
FROM DAILY OBSERVATIONS

22514 DARRERS POINT, HAWAII, MARSE 49-70

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	MEAS	TRACE	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	OVER 1.0			MEAN	MAXIMUM	MINIMUM
ANNUAL	MEAS	TRACE	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	OVER 1.0					
JAN	53.9	17.9	4.3	5.4	5.3	5.4	3.8	1.8	2.3	1.5	.4				30.2	162	4.5	24.09	.47
FEB	52.5	22.9	3.5	7.6	3.7	3.5	1.6	1.9	2.4	.3					24.6	163	2.24	9.98	TRACE
MAR	60.7	19.1	2.2	5.4	3.2	2.6	2.2	2.2	1.6	.6		.3			20.2	162	2.87	12.27	.06
APR	56.2	23.9	4.4	6.8	2.9	2.4	1.4	.9	.6	.5					19.8	160	1.27	12.03	.03
MAY	65.2	21.6	2.8	4.7	1.3	1.6	1.8	.6	.4						13.2	162	.70	4.41	TRACE
JUN	63.6	28.0	2.0	3.8	1.2	.8	.3	.3							8.3	160	.20	1.13	TRACE
JUL	58.7	26.3	2.9	7.2	2.2	1.8	.8		.2						15.1	151	.36	1.29	.01
AUG	63.5	23.5	3.7	5.7	1.9	.9	.3	.3	.3						12.0	162	.38	2.09	TRACE
SEP	62.7	25.4	3.0	4.4	1.6	1.4	1.0	.2	.3						11.9	130	.90	1.15	.02
OCT	60.0	21.6	3.8	5.7	2.3	2.9	1.0	1.3	1.2	.1					18.5	162	1.44	5.10	TRACE
NOV	54.8	23.3	3.0	6.2	3.9	2.9	1.5	1.4	2.4	.3	.2				21.8	160	2.57	11.71	.01
DEC	50.7	23.3	2.8	7.3	3.1	4.4	2.2	2.9	2.8	.4					26.0	162	3.06	8.09	.10
ANNUAL	58.4	23.1	3.2	5.8	2.7	2.5	1.5	1.1	1.2	.3	.0	.0			18.5	7974	20.05		

EXTREME VALUES

PRECIPITATION

22514
NAME

BANDERS POINT, HAWAII MOVED

49-70

71 APR

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVAIR 50-1C-534

Part "C" Summary: Surface Winds

This summary consists of three sets of tables.

1. Daily peak gusts in knots - derived from daily observations and presented by individual year and month.
2. Bivariate percentage-frequency tabulations - derived from hourly observations, these tabulations are a percentage-frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. These tabulations are presented in three combinations:
 - a. Annual - all hours combined.
 - b. By month - all hours combined.
 - c. By month - by standard 3-hour groups.
3. A separate annual table for surface winds meeting the following ceiling and visibility conditions: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2 1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

22514

BARBERS POINT, HAWAII NMSE

49-70

DAILY PEAK GUSTS IN KNOTS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49				ENE 33	NE 27	NE 28	ENE 32	NE 33	ENE 34	NE 32	NE 36	NNE 31	
50	WSW 46	NE 30	ENE 37	ENE 34	ENE 34	ENE 32	ENE 32	WSW 36	ENE 34	ENE 30	NE 27	NE 37	WSW 46
51	ENE 43	E 35	E 35	E 35	E 35	ENE 32	ENE 37	ENE 34	E 30	E 35	E 37	E 37	
52	E 38	E 35	ENE 40	ENE 35	ENE 34	ENE 30	ENE 31	ENE 35	E 34	NE 29	ENE 41	ENE 35	ENE 49
53	N 34	ENE 36	ENE 39	E 34	NE 36	ENE 35	ENE 32	E 39	NE 34	NE 34	ENE 38	NE 35	ENE 39
54	NNE 47	NNE 41	NNE 44	SSE 35	NE 31	NE 35	NE 36	NE 35	ENE 35	ENE 36	SSE 41	ENE 39	NNE 47
55	NNE 48	SSW 51	NE 36	NE 39	NE 37	NE 32	ENE 32	NE 34	NE 28	NE 30	SSW 42	SM 45	SSW 51
56	SSW 60	N 33	NE 27	NE 30	ENE 26	NE 34	NE 27	NNE 28	NE 26	NE 28	SM 29	N 41	SSW 60
57	SSW 42	WSW 41	NNE 32	NNE 29	ENE 26	SSE 28	NE 30	NE 34	ENE 26	N 25	NE 35	NE 44	NE 44
58	NE 33	WSW 24	SSE 33	ESE 33	ENE 31	ENE 30	ENE 28	E 30	NE 30	ENE 29	WNW 29	E 36	
59	NNE 47	N 34	NE 30	NNE 32	NE 30	ENE 27	ENE 26	SE 24	ENE 27	NE 24	ENE 26	NW 27	N 32
60	ENE 27	N 37	NNE 30	ENE 28	NE 26	E 25	ENE 26	NE 24	ENE 27	NE 24	ENE 26	NW 27	N 32
61	WSW 33	NNE 27	ENE 27	NNE 33	ENE 35	ENE 28	NE 25	ENE 26	ESE 28	ENE 27	NW 29	S 26	ENE 35
62	SSW 33	NW 32	E 26	S 25	NE 24	ENE 22	NE 26	ENE 24	NE 26	ENE 22	ENE 27	NW 26	SSW 33
63	WSW 49	N 36	ESE 38	SSW 26	NE 25	ENE 26	NE 25	ENE 26	SE 43	NE 24	NNE 27	NW 23	WSW 49
64	ENE 26	NE 28	ENE 27	NE 30	NNE 28	ENE 28	ENE 27	ENE 28	NE 27	NNE 28	ENE 29	NW 38	NW 38
65	N 37	N 26	NE 25	NNE 27	S 23	ENE 28	NE 24	SE 25	N 22	SE 47			
66	N 30	NE 28	NE 33			NE 24	NE 27	ENE 25	N 23	S 33	E 28		
67	NE 29	ENE 29	SM 28	NNE 25	ENE 23	E 22	ENE 23	SE 25	ENE 27	ENE 31	E 34	ESE 38	ESE 38
68	NW 44	N 40	NNE 27	NW 36	NE 22	ENE 26	E 27	NE 28	NE 23	S 29	SE 27	SM 31	NW 44
69	N 31	NE 32	NE 27	NE 29	NE 25	E 24	ENE 26	NE 27	NE 25	NE 22	E 27	NE 41	NE 41
70	WSW 38	NE 29	E 26	ENE 29	NE 27	NE 25	E 28	NE 26	NE 24	SSW 26	NE 25	ENE 39	WSW 38
MEAN	30.2	34.1	32.1	31.1	28.9	28.9	28.5	30.9	28.7	27.9	32.6	35.4	42.9
S.D.	8.641	5.929	7.500	3.733	4.918	4.780	3.751	5.747	5.075	4.446	6.170	6.305	6.873
TOTAL OBS.	616	564	645	660	680	680	680	647	658	651	647	647	7738

NAVAIR 50-1C-534

Part "C" (cont.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII MWSD
OBSERVATION

50-70
YEAR

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
OBSERVATION

SPEED DIRECTION DNE	1-3	4-6	7-10	11-14	15-21	22-27	28-33	34-40	41-47	48-54	55-61	%	MEAN WIND SPEED
N	1.2	2.9	2.4	.2								6.7	5.9
NNE	2.4	6.9	5.5	1.1	.2	.1						16.5	6.7
NE	8.1	14.4	8.4	1.6	.2	.1						32.7	5.6
ENE	3.5	7.1	3.0	1.8	.7	.4						16.4	6.8
E	.7	.8	.5	.6	.3	.3						3.1	9.5
ESE	.1	.2	.4	.3								1.0	8.8
SE	.1	.2	.4	.5	.1	.1						1.3	11.8
SSE		.2	.3	.7	.2	.1						1.3	12.6
S	.1	.1	.7	.8	.5	.1						2.2	13.1
SSW		.3	.8	.7	.1	.2	.1					2.2	12.0
SW	.3	.2	1.0	1.0	.3	.1						2.8	10.3
WSW	.1	.6	1.0	.7	.3	.1						2.7	10.3
W	.5	.6	1.4	.3	.2	.1						3.0	8.0
WWW	.1	.2	.2	.3	.2							.9	10.4
WNW	.4	.4	.4	.2	.1							1.3	6.6
WNW	.2	.4	.2									.7	5.1
WAVE													
CAUL												5.0	
	17.7	35.3	26.8	10.7	3.2	1.3	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1952

NAVAIR 50-1C-534

Part "C" (cont.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

BARBERS POINT, HAWAII NWSE

49-70

ALL

INSTRUMENT

ALL

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE, AND/OR

VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-14	15-21	22-27	28-33	34-40	41-47	48-54	≥ 55	%	MEAN WIND SPEED
N	.8	1.8	1.3	.1	.1							4.0	6.1
NNE	.5	1.8	3.2	.4	.1							5.9	7.8
NE	1.4	5.5	4.9	1.8								13.4	7.1
NNE	.2	2.7	1.4	1.0	.5	.2						5.9	8.9
E	.8	1.3	1.7	.9	.3	.1	.1					5.1	9.1
ESE	.2	.9	1.4	.7	.6	.2	.1					4.0	11.2
SE	.2	1.0	1.7	1.4	1.1	.6	.1	.1				6.0	13.3
SSE	.4	.3	1.7	1.9	1.1	.6	.1					5.9	13.3
S	.9	1.1	2.4	3.1	1.4	.4						10.2	11.6
SSE	.3	.8	2.0	2.7	1.5	.1						7.4	12.1
SE	.1	1.2	1.7	2.4	.9	.2						8.4	11.4
WSW	.1	1.1	1.8	1.8	.9	.1	.2					5.8	11.8
W	.5	1.7	2.1	2.1	.5	.4	.1					7.4	10.7
WSW	.4	.8	1.5	1.4	.2	.5						4.7	11.3
WSW	1.1	.5	.5	.5	.2							2.7	6.9
WSW	.6	.4		.4								1.4	5.4
VAR													
CALM												3.5	
	8.3	22.5	29.0	23.4	9.2	3.3	.7	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

1027

NAVAIR 50-1C-534

Part "D" (cont.)

SKY COVER

22514

BARBERS POINT, HAWAII MUSED

49-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (A.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	18.4	13.1	10.6	9.0	7.5	6.5	4.8	5.8	6.1	3.1	18.0	4.2	1955
	03-05	20.2	12.6	10.3	9.6	7.4	6.6	4.2	4.7	5.5	4.0	14.8	4.1	1953
	06-08	11.8	11.4	11.5	10.4	6.8	7.0	5.6	7.5	8.5	6.3	13.2	4.7	2046
	09-11	6.9	11.1	10.4	9.9	8.5	7.8	5.5	7.9	9.8	7.4	14.8	5.2	2046
	12-14	2.8	6.6	11.1	10.7	8.5	9.8	6.7	8.9	10.1	10.0	14.8	5.7	2046
	15-17	3.0	7.6	9.8	12.6	8.5	9.3	6.0	8.1	10.3	9.9	14.9	5.6	2043
	18-20	6.7	10.5	12.9	10.0	8.6	6.7	5.8	7.0	8.1	7.8	16.0	5.1	2046
	21-23	13.2	13.1	12.6	10.1	7.8	5.8	5.3	6.7	5.8	4.7	14.9	4.5	1984
TOTALS		13.4	10.8	11.2	10.3	8.0	7.4	5.5	7.1	8.0	6.7	14.8	4.9	16119

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Part "E" (cont.)

DAILY TEMPERATURES

22514
STATION

BARBERS POINT, HAWAII MSED
STATION NAME

49-70
YEAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80													0
75				4.5		1.4	8.8	15.7	10.0	4.1	1.7	1.0	4.0
70	12.2	7.4	8.9	20.6	48.2	78.6	92.0	95.9	90.9	78.2	55.6	22.6	53.4
65	65.8	65.2	71.6	90.0	97.6	99.2	100.0	100.0	99.8	98.7	96.7	84.6	85.2
60	94.0	94.2	97.8	99.8	100.0	100.0			100.0	100.0	99.8	97.5	98.7
55	98.2	100.0	99.3	100.0							100.0	100.0	99.8
50	100.0		100.0										100.0
45													
40													
35													
30													
25													
20													
15													
10													
5													
0													
mean	65.5	66.3	65.9	67.6	69.2	70.8	72.0	72.7	72.2	71.3	69.7	67.3	68.1
std	3.871	3.277	2.943	2.387	2.141	1.872	1.774	1.723	1.742	2.589	2.610	3.446	3.081
TOTAL OBS.	645	623	642	620	628	600	601	602	609	642	640	642	6039

NAVFEASERVCON

NAVAIR 50-1C-534

Part "E" (cont.)

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII MISD
STATION NAME

49-70
YEARS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49		57	58	63	63	67	68	69		64	60	58	
50	62	62	62	64	66	67	69	69	67	67	64	58	58
51	58	55	58	63	65	66	69	70	68	68	67	61	55
52	58	61	59	63	63	67	69	70	68	67	65	60	58
53	58	61	62	63	65	69		70	70	67	65	58	
54	60	58	57	64	65	70	70	72	70	64	66	61	57
55	62	61	54	65	67	67	68	69	67	65	64	64	54
56	62	63	63	63	67	69	69	72	69	68	65	61	61
57	63	59	57	64	64	67	71	69	68	68	69	63	57
58	61	59	58	56	66	68	70	71	69	68	62	60	56
59	58	59	63	63	66	68	69	69	72	66	66	64	58
60	58	58	60	65	66	70	70	72	70	67	65	64	58
61	61	63	64	64	68	71	70	70	73	67	65	65	61
62	64	55	63	65	66	68	69	68	71	68	64	57	56
63	59	62	62	64	64	68	70	71	70	64	66	62	59
64	65	63	61	66	65	68	70	70	71	68	65	64	61
65	62	58	57	62	64	69	70	70	69	65	65	64	57
66	59	60	61	60	66	70	70	70	71	64	64	66	59
67	61	64	63	62	64	67	72	72	71	70	68	60	60
68	61	60	63	64	67	64	66	70	66	61	64	56	56
69	50	59	58	60	62	63	70	65	63	63	63	56	50
70	51	55	60	62	63	66	68	70	67	67	57	61	51
MEAN	59.7	59.7	60.1	61.0	61.5	62.7	63.4	70.0	68.8	66.2	64.8	61.0	57.1
L D	1.679	2.732	2.713	2.236	1.625	1.912	1.244	1.527	2.071	2.062	2.608	3.080	1.017
TOTAL OBS	61	61	60	60	62	60	61	62	63	60	60	62	743

Part "E" (cont.)

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22514		BARBERS POINT, HAWAII NMSE										49-70		
STATION		STATION NAME										YEAR		
PERIOD		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	68.8	68.2	68.6	69.8	71.3	73.0	74.0	74.7	74.3	73.7	72.1	69.9	71.6
	S. D.	3.541	3.102	2.678	2.284	2.012	1.748	1.648	1.697	1.730	2.353	2.374	3.038	3.338
	TOTAL OBS	1951	1777	1958	1979	2041	1979	2042	2046	1977	2045	1979	2044	23818
03-05	MEAN	67.9	67.3	67.6	68.9	70.4	72.0	73.1	73.8	73.3	72.7	71.2	69.2	70.7
	S. D.	3.731	3.352	2.887	2.297	2.063	1.756	1.661	1.721	1.900	2.574	2.589	3.276	3.425
	TOTAL OBS	1952	1779	1957	1980	2046	1987	2042	2046	1976	2046	1980	2046	23830
06-08	MEAN	67.6	67.3	68.1	69.9	71.9	73.6	74.4	74.9	74.4	73.5	71.6	69.2	71.4
	S. D.	3.855	3.407	3.139	2.806	2.808	2.671	2.520	2.393	2.650	2.989	2.864	3.432	4.040
	TOTAL OBS	2042	1862	2040	1980	2045	1980	2043	2045	1977	2045	1979	2044	24088
09-11	MEAN	73.6	73.6	74.7	76.2	78.2	79.7	80.4	80.9	81.2	80.3	78.1	75.0	77.7
	S. D.	3.212	3.170	3.071	2.582	2.532	2.250	2.431	2.390	2.394	2.729	3.004	3.129	3.912
	TOTAL OBS	2043	1863	2046	1980	2045	1979	2043	2045	1977	2045	1979	2045	24090
12-14	MEAN	76.9	76.7	77.4	78.5	80.1	81.7	82.6	83.2	83.4	82.5	80.5	77.9	80.1
	S. D.	2.781	2.883	2.791	2.430	2.457	2.067	2.245	2.156	2.046	2.437	2.696	2.778	3.498
	TOTAL OBS	2043	1863	2044	1980	2044	1980	2043	2044	1977	2046	1980	2046	24090
15-17	MEAN	76.3	76.1	76.7	77.7	79.4	81.3	82.3	82.8	82.7	81.5	79.4	76.9	79.4
	S. D.	2.895	2.912	2.921	2.489	2.629	1.975	2.131	1.956	2.087	2.514	2.774	2.887	3.570
	TOTAL OBS	2040	1863	2045	1980	2043	1979	2043	2045	1977	2045	1980	2046	24086
18-20	MEAN	72.6	72.4	72.9	74.0	75.9	77.9	78.8	79.2	78.8	77.6	75.4	72.9	75.7
	S. D.	2.936	2.945	2.880	2.654	2.502	2.149	2.113	2.081	2.095	2.443	2.447	2.759	3.605
	TOTAL OBS	2041	1863	2046	1980	2044	1980	2042	2046	1976	2046	1980	2046	24090
21-23	MEAN	70.0	69.6	70.0	71.0	72.7	74.5	75.4	76.0	75.7	74.9	73.2	70.7	72.8
	S. D.	3.132	2.826	2.473	2.255	2.003	1.742	1.686	1.658	1.682	2.222	2.275	2.777	3.272
	TOTAL OBS	1983	1806	1990	1979	2043	1980	2043	2045	1977	2046	1980	2045	23917
ALL MONTHS	MEAN	71.8	71.4	72.0	73.2	75.0	76.7	77.6	78.2	78.0	77.1	75.2	72.7	74.9
	S. D.	4.766	4.722	4.678	4.386	4.365	4.194	4.165	4.114	4.337	4.458	4.359	4.457	5.062
	TOTAL OBS	16295	14676	16132	15838	16351	15837	16341	16362	15814	16364	15837	16362	192009

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JAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	98.7	91.7	54.3	12.6	81.4	1952
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	92.7	61.3	16.0	82.8	1953
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	92.0	61.3	15.8	82.6	2037
	09-11	100.0	100.0	100.0	100.0	98.4	83.3	53.2	19.9	4.5	71.4	2040
	12-14	100.0	100.0	100.0	99.8	92.5	62.3	28.0	9.0	3.0	64.9	2039
	15-17	100.0	100.0	100.0	99.7	94.8	67.1	32.4	10.7	3.8	66.4	2037
	18-20	100.0	100.0	100.0	100.0	99.3	92.5	65.1	23.3	4.6	74.0	2040
	21-23	100.0	100.0	100.0	100.0	99.9	98.4	89.0	41.9	7.5	79.2	1982
TOTALS		100.0	100.0	100.0	99.9	98.1	87.6	68.0	35.2	8.6	75.3	16080

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Part "E" (cont.)

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

22514

BARBERS POINT, HAWAII NWSE

49-70

JAN

ALL

WIND DIRECTION											
TEMP. ° F	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	TOTAL FREQ.
122											
121 TO 122											
120 TO 121											
119 TO 120											
118 TO 119											
117 TO 118											
116 TO 117											
115 TO 116											
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4 TO 5											
3 TO 4											
2 TO 3											
1 TO 2											
0 TO 1											
TOTAL	5.9	36.6	21.0	6.1	7.7	7.8	7.9	3.8	3.2	16098	100.0

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Part "F" Summary: Surface Pressure Data

These summaries provide the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times (GCT). They are presented in two tables as follows:

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

22514		BARBERS POINT, HAWAII MWSD								49-70				
STATION		STATION NAME								YEAR				
MOS (LAT)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	29.938	29.968	29.997	30.010	30.008	30.003	29.908	29.973	29.949	29.955	29.964	29.960	29.976
	S. D.	.109	.099	.083	.070	.055	.041	.038	.042	.043	.056	.078	.085	.074
	TOTAL OBS	651	593	653	660	681	660	681	682	659	682	660	682	7944
04	MEAN	29.910	29.936	29.959	29.972	29.973	29.973	29.961	29.944	29.914	29.923	29.934	29.933	29.945
	S. D.	.109	.092	.086	.074	.055	.047	.038	.043	.125	.057	.077	.086	.081
	TOTAL OBS	651	593	653	660	682	660	681	682	659	682	660	682	7945
07	MEAN	29.926	29.956	29.984	29.997	29.993	29.993	29.979	29.961	29.937	29.942	29.953	29.951	29.965
	S. D.	.111	.091	.086	.073	.058	.042	.038	.044	.044	.057	.077	.086	.075
	TOTAL OBS	682	621	682	660	682	660	681	682	659	682	660	682	8033
10	MEAN	29.965	29.991	30.016	30.026	30.016	29.999	29.986	29.982	29.962	29.972	29.984	29.986	29.990
	S. D.	.111	.090	.081	.071	.053	.276	.272	.043	.043	.055	.075	.083	.132
	TOTAL OBS	682	621	682	660	681	660	681	682	659	682	660	682	8032
13	MEAN	29.914	29.950	29.979	29.993	29.991	29.987	29.975	29.957	29.928	29.923	29.932	29.930	29.955
	S. D.	.109	.089	.078	.068	.052	.041	.037	.042	.043	.125	.074	.083	.080
	TOTAL OBS	682	621	682	660	681	660	680	681	659	682	660	682	8030
16	MEAN	29.880	29.908	29.936	29.951	29.956	29.956	29.944	29.920	29.890	29.894	29.903	29.903	29.920
	S. D.	.108	.087	.079	.067	.053	.041	.037	.043	.042	.053	.074	.082	.073
	TOTAL OBS	681	621	682	660	680	660	681	682	658	682	660	682	8029
19	MEAN	29.914	29.941	29.967	29.977	29.975	29.969	29.954	29.935	29.917	29.928	29.940	29.940	29.947
	S. D.	.108	.088	.080	.069	.052	.042	.037	.043	.042	.056	.075	.083	.071
	TOTAL OBS	682	621	682	660	682	660	681	682	659	682	660	682	8033
22	MEAN	29.950	29.978	30.010	30.023	30.020	30.012	29.995	29.980	29.963	29.970	29.976	29.973	29.988
	S. D.	.109	.090	.081	.070	.053	.041	.036	.043	.042	.055	.077	.084	.072
	TOTAL OBS	651	593	684	660	681	655	681	682	659	682	660	682	7944
ALL HOURS	MEAN	29.925	29.953	29.981	29.994	29.992	29.986	29.973	29.957	29.932	29.939	29.948	29.947	29.961
	TOTAL OBS	5362	4884	5370	5280	5450	5279	5447	5455	5271	5456	5280	5456	63990

Part "F" (cont.)

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

22514
STATIONJARRERS POINT, HAWAII, WMSD
DATE OF DATA49-70
YEAR

MOSELS		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S.D. TOTAL OBS	1015.5 3.703 651	1016.6 3.109 593	1017.5 2.812 653	1017.9 2.366 659	1017.9 1.870 681	1017.7 1.370 660	1017.2 1.251 681	1016.7 1.438 682	1015.9 1.468 659	1016.1 1.913 682	1016.4 2.595 660	1016.2 2.884 682	1016.8 2.472 7943
04	MEAN S.D. TOTAL OBS	1014.6 3.695 651	1015.4 3.185 593	1016.2 2.886 653	1016.7 2.440 659	1016.7 1.876 682	1016.7 1.410 660	1016.3 1.268 681	1015.7 1.459 682	1014.8 1.461 659	1015.0 1.942 682	1015.4 2.588 660	1015.4 2.917 682	1015.7 2.481 7946
07	MEAN S.D. TOTAL OBS	1015.1 3.782 682	1016.1 3.084 621	1017.1 2.874 682	1017.5 2.449 659	1017.4 1.860 682	1017.4 1.413 660	1016.9 1.267 681	1016.3 1.487 682	1015.5 1.464 659	1015.7 1.927 682	1016.1 3.487 660	1015.9 2.897 682	1016.4 2.598 8032
10	MEAN S.D. TOTAL OBS	1016.4 3.775 682	1017.3 3.033 621	1018.2 2.736 682	1018.5 2.377 659	1018.1 1.809 681	1017.9 1.407 659	1017.4 1.232 681	1016.9 1.460 682	1016.3 1.439 659	1016.6 1.869 682	1017.0 2.525 660	1017.1 2.820 682	1017.3 2.429 8030
13	MEAN S.D. TOTAL OBS	1014.7 3.688 682	1015.9 3.010 621	1016.9 2.638 682	1017.4 2.280 659	1017.3 1.779 682	1017.1 1.397 659	1016.7 1.245 681	1016.1 1.434 681	1015.1 1.450 659	1015.1 1.821 682	1015.3 2.494 660	1015.2 2.795 682	1016.1 2.470 8030
16	MEAN S.D. TOTAL OBS	1013.5 3.659 681	1014.5 2.948 621	1015.4 2.665 682	1015.9 2.256 659	1016.1 1.777 680	1016.1 1.389 660	1015.7 1.245 681	1014.8 1.457 682	1013.8 1.413 659	1014.0 1.813 682	1014.3 2.461 660	1014.3 2.771 682	1014.9 2.439 8029
19	MEAN S.D. TOTAL OBS	1014.7 3.674 682	1015.6 2.966 621	1016.5 2.701 682	1016.8 2.315 659	1016.7 1.779 682	1016.5 1.416 659	1016.0 1.246 681	1015.4 1.440 682	1014.7 1.421 659	1015.1 1.881 682	1015.6 2.511 660	1015.6 2.803 682	1015.8 2.403 8031
22	MEAN S.D. TOTAL OBS	1015.9 3.695 651	1016.9 3.051 593	1017.9 2.756 659	1018.4 2.347 659	1018.3 1.792 681	1018.0 1.388 680	1017.4 1.222 681	1017.0 1.447 682	1016.3 1.431 659	1016.6 1.880 682	1016.8 2.582 660	1016.7 2.827 682	1017.2 2.438 7944
ALL HOURS	MEAN S.D. TOTAL OBS	1015.1 3.804 5362	1016.0 3.159 4884	1017.0 2.886 5370	1017.4 2.485 5272	1017.3 1.957 5451	1017.2 1.540 5277	1016.7 1.391 5448	1016.1 1.617 5455	1015.3 1.650 5272	1015.5 2.060 5456	1015.9 2.602 5280	1015.8 2.959 5456	1016.3 2.585 63983

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STABILITY

Stability identifies summaries that have been processed using the STABILITY ROSE or "S and L" programs. Both programs use the Pasquill Stability Classifications as explained by D. Bruce Turner in the February 1964 issue of the Journal of Applied Meteorology.

The STABILITY ROSE (STAR) program uses hourly or 3-hourly observations from airports in TDF-14 format as input data. A bivariate frequency distribution and relative frequency distribution of wind direction vs wind speed is computed for each stability class (1-6) or (1-5). Monthly, seasonal and annual frequencies may be presented for the period of record.

ANNUAL		FREQUENCY DISTRIBUTION					STATION - 14910	ALEXANDRIA, MINN. 52-54 24 OBS
		SPEED (KTS)						
DIRECTION	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	24	54	229	236	64	39	12.1	652
NNE	24	62	142	106	73	19	12.0	492
NE	27	81	219	125	40	16	10.3	502
ENE	13	37	202	265	97	64	11.1	690
E	23	62	233	236	91	40	12.1	685
ESE	28	170	444	572	110	17	11.6	1287
SE	67	119	449	536	79	10	10.8	1260
SSE	42	42	422	653	140	25	12.0	1347
S	34	55	246	514	130	17	12.3	996
SSW	16	36	212	499	100	14	12.7	879
SW	36	51	200	239	53	19	11.2	598
WSW	11	43	122	175	50	17	12.0	418
W	21	50	207	344	139	53	13.2	833
WNW	17	35	183	913	468	275	16.2	2091
WW	49	89	430	1023	506	177	16.2	2272
WNW	18	64	300	540	274	67	13.4	1231
AVG	2.7	5.1	9.0	12.7	18.4	24.3	12.7	
TOTAL	450	1025	6462	7062	2381	868		

NUMBER OF OCCURRENCES OF D STABILITY - 16325

NUMBER OF CALMS WITH D STABILITY - 77

NAVAIR 50-1C-534

STABILITY (Cont.)

ANNUAL		RELATIVE FREQUENCY DISTRIBUTION					STATION: 14910	ALABAMA, MICH 52-54 24 OBS
		SPEED (KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 15	16 - 21	GREATER THAN 21	TOTAL	
N	0.001073	0.002133	0.004721	0.008998	0.002590	0.001485	0.024990	
NNE	0.001045	0.001609	0.004836	0.007084	0.002780	0.003724	0.018066	
NE	0.001243	0.003095	0.006430	0.004760	0.001523	0.000571	0.019523	
ENE	0.000634	0.002171	0.007613	0.010092	0.003694	0.002437	0.026722	
E	0.001045	0.007301	0.009873	0.028888	0.003464	0.001523	0.026254	
ESE	0.001341	0.004339	0.016909	0.022012	0.004189	0.000447	0.049288	
SE	0.002921	0.004532	0.017100	0.020413	0.003009	0.000511	0.048355	
SSE	0.001820	0.002128	0.015441	0.024107	0.005332	0.000952	0.061519	
S	0.001472	0.002095	0.009364	0.019573	0.006951	0.000647	0.038108	
SSW	0.000717	0.001647	0.008074	0.019004	0.003808	0.000533	0.022583	
SW	0.001544	0.001942	0.007617	0.009102	0.002018	0.000774	0.022947	
WSW	0.000926	0.001634	0.004684	0.006665	0.001904	0.000647	0.018076	
W	0.000943	0.001934	0.007883	0.013882	0.006254	0.002018	0.031865	
WSW	0.000751	0.001333	0.014986	0.034770	0.017825	0.010473	0.075736	
W	0.002140	0.003389	0.016374	0.019960	0.018270	0.006741	0.086876	
WNW	0.000494	0.011425	0.011525	0.020544	0.009064	0.001552	0.047552	
TOTAL	0.020070	0.034036	0.169929	0.260946	0.090677	0.033057		

RELATIVE FREQUENCY OF OCCURRENCE OF \geq STABILITY = 0.521715

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH \geq STABILITY = 0.002932

STABILITY CODES

A - Unstable

B - Unstable

C - Unstable

D - Neutral

E - Stable

F - Stable

NAVAIR 50-1C-534

STABILITY (Cont.)

The "S and L" wind distribution by Pasquill Stability Classes uses TDF-14 format as input data. A bivariate percent frequency distribution of stability classes (1-7) vs wind direction is computed for each month. Other presentation include: average wind speed for each stability class and wind direction, hourly stability index percent frequency distribution, day-night stability index percent frequency distribution, and other data that is self-explanatory.

**JANUARY AVERAGE **		* S YR DATA *		13934 ALEXANDRIA, LA		01/28 - 12/62		01/26/72									
**TOTAL NO. OF OBS- 3720 **																	
GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NW	CALM
	2.01	4.33	6.94	3.33	4.87	2.96	4.87	2.71	7.98	0.91	1.91	1.10	4.76	4.27	7.82	4.87	27.78
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NW	
	9.99	6.70	2.91	4.52	6.10	4.87	7.50	4.98	10.18	1.14	2.79	1.77	6.91	6.07	9.79	6.83	
STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)																	
INDEX	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NW	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2.85	6.38	4.80	7.10	9.65	12.54	7.13	3.76	4.21	4.67	8.62	12.06	8.91	7.37	3.01	2.74	
3	8.41	4.24	2.47	6.95	12.09	8.31	11.35	7.04	5.45	4.70	11.14	17.01	8.26	7.88	11.52	4.51	
4(D)	21.04	15.39	18.79	23.22	21.47	15.82	18.44	18.38	21.45	21.89	12.18	11.09	17.66	15.07	17.04	17.09	
4(N)	36.77	32.66	34.24	22.41	23.34	19.17	15.57	30.01	36.08	35.42	14.25	6.95	19.63	18.17	23.36	24.85	
5	3.11	3.81	11.17	8.92	6.17	6.62	6.81	9.72	7.13	7.05	5.77	4.54	4.28	6.17	13.46	8.66	
6	9.05	10.92	12.04	17.15	12.00	14.46	10.90	15.57	9.33	15.03	20.02	19.41	16.83	15.80	19.79	19.53	
7	14.17	29.80	14.03	14.24	6.33	23.05	28.15	15.51	15.18	11.25	23.03	29.01	24.23	29.54	11.83	22.61	
STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS																	
INDEX	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NW	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.26	0.43	0.43	0.32	0.59	0.56	0.53	0.19	0.53	0.25	0.24	0.21	0.62	0.48	0.29	0.19	
3	0.84	0.28	0.40	0.31	0.74	0.37	0.59	0.27	0.53	0.05	0.31	0.30	0.57	0.51	1.13	0.31	
4(D)	2.40	0.99	1.67	1.65	1.43	0.71	1.49	0.92	2.22	0.25	0.45	0.20	1.23	0.98	1.67	1.17	
4(N)	3.62	2.19	3.05	1.01	7.85	0.86	1.16	1.19	3.75	0.41	0.40	0.12	1.36	1.19	2.29	1.73	
5	0.51	0.24	0.94	0.40	0.38	0.20	0.51	0.48	0.73	0.08	0.16	0.08	0.30	0.40	1.32	0.59	
6	0.90	0.73	1.08	0.77	0.73	0.85	0.82	0.17	0.95	0.17	0.56	0.24	1.16	1.07	1.84	1.13	
7	1.42	1.93	1.24	0.64	0.29	1.03	2.19	0.77	1.34	0.13	0.64	0.51	1.67	1.93	1.16	1.54	
AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN MPS)																	
INDEX	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NW	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1.41	0.81	0.84	0.73	0.94	1.01	0.91	1.16	0.77	0.73	1.25	0.71	1.03	0.72	1.77	1.26	
3	3.44	3.26	3.44	2.82	2.25	2.87	2.72	2.33	2.65	4.12	3.29	3.85	4.05	3.17	5.50	8.46	
4(D)	4.63	3.59	3.95	3.10	3.47	3.15	3.06	3.77	4.73	4.31	4.53	3.87	3.13	5.47	5.13	5.27	
4(N)	4.15	3.00	3.69	2.72	2.13	2.60	2.41	2.01	3.92	4.30	3.96	3.52	4.79	5.37	4.99	4.02	
5	2.84	2.35	2.63	2.64	2.65	2.62	2.41	2.34	2.92	2.06	2.75	2.75	3.79	4.19	3.90	4.07	
6	1.27	1.25	1.23	1.04	0.96	1.05	0.98	0.93	1.22	0.88	1.48	1.53	1.51	1.43	1.66	1.66	
7	0.28	0.26	0.30	0.28	0.32	0.27	0.26	0.25	0.28	0.32	0.26	0.27	0.27	0.28	0.25	0.22	

NAVAIR 50-1C-534
SUMMARY OF SURFACE WEATHER OBSERVATIONS

A AND B SUMMARIES

These standard monthly summaries of surface weather observations were prepared in the past by the Air Weather Service. The A Summaries are derived from hourly observations; the B Summaries are derived from daily observations.

C SUMMARY

This standard monthly wind summary, has been prepared in the past by the Air Weather Service.

In general, all three summaries are prepared for each station for the period of record, however, there are a few stations that will have only an A or B Summary. Sky cover and snowfall tables are available only for stations with periods of record subsequent to 1945. Most summaries of this type that were produced after January 1966 will be found under the Revised "A" through "F" Summary heading.

Recent updates of a single portion (e.g. Surface Wind Summary-Part C) of a RUSSWO are generally included under the appropriate letter type summary rather than the RUSSWO.

DATA PROCESSING DIVISION CLIMATE CENTER, USAF Air Weather Service (HAFS)		EXTREME WIND DATA																																																																																	
SAL NO	STATION NAME																																																																																		
33308	ADANA TURKEY/INCIRLIK AB																																																																																		
<p>MAXIMUM WINDS (FROM HOURLY OBSERVATIONS)</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>MONTH</th> <th>JAN</th> <th>FEB</th> <th>MAR</th> <th>APR</th> <th>MAY</th> <th>JUN</th> <th>JUL</th> <th>AUG</th> <th>SEP</th> <th>OCT</th> <th>NOV</th> <th>DEC</th> <th>ALL MONTHS</th> </tr> </thead> <tbody> <tr> <td>DIRECTION</td> <td>NNE</td> <td>NW</td> <td>S</td> <td>SW</td> <td>N</td> <td>NE</td> <td>S</td> <td>NE</td> <td>N</td> <td>NW</td> <td>N</td> <td>NNE</td> <td>S</td> </tr> <tr> <td>SPEED (KNOTS)</td> <td>42</td> <td>35</td> <td>45</td> <td>30</td> <td>30</td> <td>35</td> <td>25</td> <td>28</td> <td>30</td> <td>32</td> <td>36</td> <td>30</td> <td>45</td> </tr> <tr> <td>TOTAL NO OBS</td> <td>5952</td> <td>5308</td> <td>5952</td> <td>5760</td> <td>6477</td> <td>6365</td> <td>6694</td> <td>6690</td> <td>6479</td> <td>6696</td> <td>5759</td> <td>5951</td> <td>74163</td> </tr> <tr> <td colspan="14" style="text-align: center; font-size: x-small;">PERIOD OF RECORD MAY 1955 - OCT 1963</td> </tr> </tbody> </table>														MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	DIRECTION	NNE	NW	S	SW	N	NE	S	NE	N	NW	N	NNE	S	SPEED (KNOTS)	42	35	45	30	30	35	25	28	30	32	36	30	45	TOTAL NO OBS	5952	5308	5952	5760	6477	6365	6694	6690	6479	6696	5759	5951	74163	PERIOD OF RECORD MAY 1955 - OCT 1963													
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS																																																																						
DIRECTION	NNE	NW	S	SW	N	NE	S	NE	N	NW	N	NNE	S																																																																						
SPEED (KNOTS)	42	35	45	30	30	35	25	28	30	32	36	30	45																																																																						
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<p>PEAK GUSTS (FROM DAILY OBSERVATIONS)</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>MONTH</th> <th>JAN</th> <th>FEB</th> <th>MAR</th> <th>APR</th> <th>MAY</th> <th>JUN</th> <th>JUL</th> <th>AUG</th> <th>SEP</th> <th>OCT</th> <th>NOV</th> <th>DEC</th> <th>ALL MONTHS</th> </tr> </thead> <tbody> <tr> <td>DIRECTION</td> <td>NNW</td> <td>WSW</td> <td>SE</td> <td>N</td> <td>NE</td> <td>NNW</td> <td>SSW</td> <td>NNE</td> <td>NE</td> <td>SSE</td> <td>N</td> <td>S</td> <td>SSE</td> </tr> <tr> <td>SPEED (KNOTS)</td> <td>37</td> <td>35</td> <td>37</td> <td>31</td> <td>24</td> <td>32</td> <td>26</td> <td>25</td> <td>29</td> <td>47</td> <td>25</td> <td>31</td> <td>47</td> </tr> <tr> <td>TOTAL NO OBS</td> <td>62</td> <td>46</td> <td>62</td> <td>67</td> <td>90</td> <td>90</td> <td>93</td> <td>92</td> <td>90</td> <td>93</td> <td>60</td> <td>61</td> <td>916</td> </tr> <tr> <td colspan="14" style="text-align: center; font-size: x-small;">PERIOD OF RECORD APR 1961 - OCT 1963</td> </tr> </tbody> </table>														MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	DIRECTION	NNW	WSW	SE	N	NE	NNW	SSW	NNE	NE	SSE	N	S	SSE	SPEED (KNOTS)	37	35	37	31	24	32	26	25	29	47	25	31	47	TOTAL NO OBS	62	46	62	67	90	90	93	92	90	93	60	61	916	PERIOD OF RECORD APR 1961 - OCT 1963													
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS																																																																						
DIRECTION	NNW	WSW	SE	N	NE	NNW	SSW	NNE	NE	SSE	N	S	SSE																																																																						
SPEED (KNOTS)	37	35	37	31	24	32	26	25	29	47	25	31	47																																																																						
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NAVAIR 50-1C-534

A & B Summaries (cont.)

AIR WEATHER SERVICE
CLIMATIC CENTER
DATA PROCESSING DIVISION

SURFACE WINDS

PERCENTAGE FREQUENCY OF OCCURRENCE DIRECTIONS BY SPEED GROUPS

33308 ADANA TURKEY/INCIRLIK AB ALL CONTACT
021100 021100 021100 021100

DIRECTIONS	1 - 3 KNOTS	4 - 10 KNOTS	11 - 21 KNOTS	22 - 27 KNOTS	28 - 40 KNOTS	41 KNOTS AND OVER	TOTAL 4 KNOTS AND OVER	TOTAL NO. OF OBSERVATIONS		SUM OF SPEED	MEAN WIND SPEED KNOTS
								%	CBS.		
N	.8	5.3	2.2	.1	.0		7.8	8.4	6220	33318	8.8
NNE	1.1	9.6	4.5	.3	.0	.0	14.9	15.6	11539	104320	9.0
NE	1.3	9.6	5.4	.4	.1		15.4	16.8	12389	116005	9.4
ENE	.7	3.1	1.4	.1	.0		4.6	5.2	3866	32157	8.3
E	.8	2.9	.3	.0	.0		3.3	4.1	2998	18030	6.0
ESE	.4	1.3	.1	.0			1.4	1.8	1342	7318	5.5
SE	.5	1.6	.2	.0			1.8	2.3	1689	9675	5.7
SSE	.5	1.5	.1	.0	.0		1.6	2.1	1552	8861	5.7
S	.9	4.7	1.1	.0	.0	.0	5.9	6.8	5039	36883	7.3
SSW	.6	4.4	2.0	.0	.0		6.4	7.0	5145	44371	8.8
SW	.5	5.1	3.3	.0	.0		8.5	9.0	6880	63466	9.5
WSW	.3	2.3	1.1	.0			3.3	3.7	2698	23120	6.6
W	.4	1.8	.4	.0	.0		2.2	2.6	1949	13282	6.8
WWW	.2	.6	.1				.6	.8	608	3371	5.5
WNW	.2	.7	.1	.0	.0		.8	1.0	761	5217	6.9
ANW	.2	.7	.2	.0	.0		.9	1.2	858	6347	7.4
CALM								11.5	8513		
TOTALS	9.7	55.2	22.4	1.0	.2	.0	78.8	100.0	73638	546331	7.4

A & B Summaries (cont.)

AIR WEATHER SERVICE
DIRECTORATE OF CLIMATOLOGY
DATA CONTROL DIVISION

FREQUENCY OF DAILY TEMPERATURES

PAX

ADANA TURKEY/INCIRLIK AB

55 56 57 58 59 60 61 62 63, LESS MAY 55

STATION NAME			PERIOD												TOTALS
STATION NO	TR	TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
33106		40/ 41		1											1
		42/ 43													1
		44/ 45	1	1											4
		46/ 47	1	7	1									2	13
		48/ 49	1	8	1									2	14
		50/ 51	11	13	7									3	31
		52/ 53	12	12	5									1	46
		54/ 55	37	19	7									2	76
		56/ 57	35	23	14		1							2	153
		58/ 59	31	25	15	1								4	116
		60/ 61	45	22	23	1								5	135
		62/ 63	31	21	26	5	7							5	116
		64/ 65	25	26	31	12	2					2		12	137
		66/ 67	4	14	10	20	4							15	110
		68/ 69	0	8	28	25	3							27	113
		70/ 71	1	17	18	34	13							5	129
		72/ 73			10	31	12	1						5	86
		74/ 75		2	6	29	29							14	112
		76/ 77		1	11	24	25	8						16	157
		78/ 79			7	19	19	4						21	69
		80/ 81			6	16	32	6				2		25	111
		82/ 83				0	24	19	1			4		32	131
		84/ 85			1	9	11	16	2			17		30	127
		86/ 87				3	10	21	6	1		31		29	121
		88/ 89				5	13	21	32	7		35		31	165
		90/ 91				1	15	25	59	21		71		24	231
		92/ 93					7	26	64	52		45		12	207
		94/ 95				1	7	24	52	53		32		11	184
		96/ 97					7	10	24	42		14		1	101
		98/ 99					12	6	18	45		4		2	84
		100/101					2	7	0	2		4		1	42
		102/103						4	6	16		5		1	32
		104/105						3		5		1			12
		106/107							1						4
		108/109						1		1					2
		110/111								3					3
		112/113								1					1
		114/115								2					2
TOTAL NO OF DAYS			248	226	248	240	248	248	274	275	272	279	240	248	3659
SUM OF TEMPERATURES			14435	13458	16219	17875	20210	22625	25977	28863	29568	23387	17530	15397	238251
AVERAGE			58.2	59.5	65.4	73.8	81.6	89.1	93.1	96.1	90.2	83.8	73.0	62.1	77.9

NAVAIR 50-1C-534

A & B Summaries (cont.)

AIR WEATHER SERVICE
DIRECTORATE OF CLIMATOLOGY
DATA CONTROL DIVISION

FREQUENCY OF DAILY TEMPERATURES

MIN

ADANA TURKEY/INCIRLIK AB

55 56 57 58 59 60 61 62 63

STATION		PERIOD												TOTALS	
TE	TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
3330B	24/ 25		1											1	
	26/ 27	1												1	
	28/ 29	1	4	2										7	
	30/ 31	6	10	2									1	19	
	32	6	10	1									1	18	
	33	2	3	4										9	
	34/ 35	4	15	6	1									26	
	36/ 37	18	14	11										43	
	38/ 39	19	15	25										59	
	40/ 41	36	22	22	1									81	
	42/ 43	26	19	15	6									66	
	44/ 45	36	25	24	7									92	
	46/ 47	36	32	24	16									124	
	48/ 49	51	18	39	35	1								144	
	50/ 51	14	23	22	42	4								185	
	52/ 53	9	16	15	37	21								151	
	54/ 55	8	3	10	35	41								177	
	56/ 57		2	5	36	46	3							184	
	58/ 59			2	19	41	7	1						133	
	60/ 61			1	7	31	22	3						152	
	62/ 63			1	2	15	43	7	1					159	
	64/ 65				1	22	54	7	3					166	
	66/ 67					4	55	21	11					164	
	68/ 69					2	37	42	33					161	
	70/ 71						19	73	58	35				194	
	72/ 73						16	65	67	21	1			206	
	74/ 75						3	44	43	4	1			95	
	76/ 77						1	19	18	1				39	
	78/ 79						1	6	10	2				17	
	80/ 81								3					3	
TOTAL NO. OF DAYS		245	226	248	240	242	254	276	279	268	19	247	248	3057	
NO. OF TEMPERATURES		1766	9610	11374	12563	14467	16701	19227	20116	17844	16488	12539	11432	173837	
AVERAGE		43.7	42.5	45.8	52.5	58.3	65.6	71.1	72.1	62.2	59.8	52.2	46.1	56.9	

NAVAIR 50-1C-534

A & B Summaries (cont.)

AIR WEATHER SERVICE
DIRECTORATE OF CLIMATOLOGY
DATA COMBINATION DIVISION

FREQUENCY OF DAILY TEMPERATURES

MEAN

ACANA TURKEY/INCILIK AB

55 56 57 58 59 60 61 62 64

STATION		PERIOD												TOTALS
NO.	TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
33308	36/ 37	1	1											3
	38/ 39		5	1									1	8
	40/ 41		7										3	12
	42/ 43	11	12	6									1	30
	44/ 45	11	18	3								2	5	39
	46/ 47	24	16	10								2	12	64
	48/ 49	33	21	21	1							1	16	93
	50/ 51	51	32	17								4	18	126
	52/ 53	45	26	33	2							12	44	161
	54/ 55	35	30	30	5	1						12	49	167
	56/ 57	13	19	33	10							14	37	131
	58/ 59	13	25	29	31	2						6	16	146
	60/ 61	6	7	24	41	7						4	21	131
	62/ 63	1	4	12	35	16						9	2	103
	64/ 65		3	9	46	23						2	33	127
	66/ 67			10	21	37	1			1		37	34	144
	68/ 69			7	25	31	5			2		21	22	124
	70/ 71			1	16	36	12					22	17	111
	72/ 73			3	5	22	18			13		37	16	119
	74/ 75				1	24	47	5		23		43	4	146
	76/ 77					17	49	8	1	41		44	1	161
	78/ 79					10	37	16	6	60		17		154
	80/ 81				1	10	51	63	21	61		11		208
	82/ 83					7	24	108	86	33		3		261
	84/ 85					1	12	57	86	16	2			175
	86/ 87						5	12	55	6				80
	88/ 89						2	6	14	1				24
	90/ 91							1	3	1				5
	92/ 93						1	1	2					7
	94/ 95								1					1
	96/ 97								1					1
TOTAL NO. OF DAYS		246	226	248	240	248	255	275	279	268	279	240	248	1057
SUM. OF TEMPERATURES		12627	11593	13854	15186	17465	19719	22980	21530	21145	20109	15094	13476	206724
AVERAGE		50.2	51.3	55.9	63.3	70.2	77.6	82.4	84.3	78.2	72.1	62.9	54.3	67.4

NAVAIR 50-1C-534

A & B Summaries (cont.)

AIR WEATHER SERVICE
DISPATCHES OF CLIMATOLOGY
DATA CONTROL DIVISION

SNOW DEPTH*

SUMMARY OF DAILY AMOUNT

ADANA TURKEY/INCIRLIK AB			35 56 57 58 59 60 61 62 63																
STATION NAME			PERIOD																
STATION	YE	NO.	FREQUENCY OF OCCURRENCE													TOTAL NO. OF DAYS	SUM OF SNOW DEPTH AMOUNTS	MEAN SNOW DEPTH	NO. OF DAYS WITH SNOW DEPTH
			NONE	TRACE	1 INCH	2 INCHES	3 INCHES	4-6 INCHES	7-12 INCHES	13-20 INCHES	21-30 INCHES	31-40 INCHES	41-50 INCHES	51-100 INCHES	OVER 100 INCHES				
33308		01	248													248			
		02	226													226			
		03	248													248			
		04	240													240			
		05	279													279			
		06	270													270			
		07	279													279			
		08	279													279			
		09	270													270			
		10	279													279			
		11	240													240			
		12	248													248			
TOTALS →			3106													3106			

*Snow depth measured at 0000 LST through 1948, at 1200 UTC thereafter. All forms of frozen precipitation included before 1 September 1966.
Beginning that date, hail is excluded.

NAVAIR 50-1C-534

A & B Summaries (cont.)

CLIMATIC CENTER, USAF
DATA PROCESSING DIVISION

WEATHER CONDITIONS

PERCENTAGE FREQUENCY OF OCCURRENCE

33308 ADANA TURKEY/INCIRLIK AB ALL
STATION STATION NAME MONTH

YEARS													
MONTH	HOUR (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN	SNOW AND/OR SLEET	HAUL	TOTAL OBS. WITH PRECIP.	P20	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	TOTAL OBS. WITH WIND TO 10000	TOTAL NO. OF OBS.
01		.9	12.7		.0	.0	12.9	.9	.9		.1	1.4	5952
02		1.0	12.1		.1		12.1	1.7	.4		.1	2.2	5422
03		.7	7.1			.0	7.1	.9	.2		1.3	1.9	5952
04		1.4	5.2			.0	5.2	.6	.9		.6	2.4	5760
05		1.4	3.9				3.9	1.1	1.1		.2	2.3	6477
06		.4	1.0				1.0	1.4	.7		.2	2.1	6864
07		.1	.3				.3	1.0	1.0		.0	2.0	6699
08		.1	.1				.1	.0	.7			1.1	6696
09		.5	.8				.8	.2	.1		.0	.3	6479
10		.6	2.1				2.1	.1	.1		.0	.3	6696
11		.8	3.8		.0	.0	3.8		1.9		.9	2.0	5759
12		.9	13.5		.0		13.5	1.3			.2	1.4	5952
TOTALS		.8	5.0		.0	.0	5.0	.6	.7		.3	1.7	74204

NAVAIR 50-1C-534

A & B Summaries (cont.)

AIR WEATHER SERVICE
SUBOFFICE OF CLIMATE/561
DATA CONTROL DIVISION

PRECIPITATION

SUMMARY OF DAILY AMOUNT

ADANA TURKEY/INCIRLIK AB										55 56 57 58 59 60 61 62 63, LESS JUL 55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
STATION NAME										PERIOD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
STATION	TL	NO.	FREQUENCY OF OCCURRENCE												TOTAL NO. OF DAYS	SUM OF PRECIPITATION AMOUNTS	DEAR BUREAU PRECIPITATED	Rat. No. of Days Exceeding Threshold																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			MON	TUE	W	TH	FR	SAT	SUN	31 INCH	30-30 INCH	29-29 INCH	28-28 INCH	27-27 INCH					26-26 INCH	25-25 INCH	24-24 INCH	23-23 INCH	22-22 INCH	21-21 INCH	20-20 INCH	19-19 INCH	18-18 INCH	17-17 INCH	16-16 INCH	15-15 INCH	14-14 INCH	13-13 INCH	12-12 INCH	11-11 INCH	10-10 INCH	9-9 INCH	8-8 INCH	7-7 INCH	6-6 INCH	5-5 INCH	4-4 INCH	3-3 INCH	2-2 INCH	1-1 INCH	0-0 INCH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
39308	01	134	30	3	14	4	12	14	12	13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

NAVAIR 50-1C-534

A & B Summaries (cont.)

DATA PROCESSING DIVISION
CLIMATIC CENTER, USAF
AIR WEATHER SERVICE (MATS)

VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

33308 ADANA TURKEY/INCIRLIK AB

ALL

STATION

STATION NAME

MONTH

YEARS										
MONTH	0. 1/16. 1/8 MI.	3/16. 1/4 MI.	5/16. 3/8. 1/2 MI.	5/8. 3/4 MI.	1 THRU 2 1/4 MI.	2 1/2 MI.	3 THRU 6 MI.	7 THRU 9 MI.	10 MI. AND OVER	TOTAL NO. OF OBSERVATIONS
01					.4	.0	4.8	5.4	89.4	5952
02	.0		.0	.0	.6	.1	3.7	7.6	87.8	5388
03	.1	.0	.0	.1	.5		2.7	4.4	92.2	5952
04	.0		.0		.1		3.0	8.6	91.3	5760
05		.0	.1	.0	.3	.1	2.3	5.6	91.7	6477
06		.0	.1	.0	.1		2.3	7.3	90.3	6369
07		.0	.0	.0	.0		2.5	13.0	84.5	6699
08	.0	.0			.0		1.1	10.3	88.6	6696
09	.0				.0		.4	2.2	97.4	6479
10			.0	.0	.0		.5	1.7	97.8	6696
11			.2		.2	.0	2.1	3.6	93.9	5759
12		.0	.1	.1	.5	.0	3.7	5.2	90.4	5952
TOTALS	.0	.0	.1	.0	.2	.0	2.3	6.0	91.3	74171

COLUMN HEADINGS ARE THOSE VISIBILITY VALUES USED IN ORDINARY REPORTING PRACTICES UNDER THESE PRACTICES.
WHERE VISIBILITIES ARE ACTUALLY BETWEEN REPORTABLE VALUES, THE LOWER VALUE IS RECORDED.

NAVAIR 50-1C-534

A & B Summaries (cont.)

DATA PROCESSING DIVISION
CLIMATIC CENTER USAF
AIR WEATHER SERVICE (WATS)
ARMYVILLE, NORTH CAROLINA

SKY COVER

PERCENTAGE

FREQUENCY OF OCCURRENCE

33308 ADANA TURKEY/INCIRLIK AB

ALL

STATION

STATION NAME

MONTH

YEAR

Z Code Z	Z - Y =	FREQUENCY OF TENTHS OF TOTAL SKY COVER BY GROUPS							MEAN TENTHS OF SKY COVER	SUM OF TENTHS OF SKY COVER	TOTAL NO. OF OBSERVATIONS
		0	1-2	3	4-5	6-7	8-9	10			
01		18.1	11.3	4.3	7.0	10.1	15.5	33.7	6.0	35577	5952
02		21.7	11.1	4.2	7.5	10.3	15.0	30.3	5.6	30392	5422
03		19.9	13.6	6.6	9.3	11.0	16.1	23.7	5.3	31356	5952
04		15.5	12.9	6.4	12.1	13.9	17.8	21.4	5.9	31694	5760
05		23.0	17.8	7.5	12.2	14.6	14.9	10.1	4.3	27587	6477
06		37.8	19.5	7.9	12.8	10.9	8.1	3.0	2.8	17715	6365
07		42.5	20.4	6.9	12.7	10.1	5.5	1.8	2.4	15766	6695
08		56.2	20.6	5.9	9.3	5.3	2.4	.3	1.5	9726	6696
09		55.8	19.7	6.2	9.7	5.1	2.8	.7	1.5	9839	6479
10		45.9	17.6	5.7	8.6	7.4	8.3	6.5	2.4	17625	6696
11		28.4	18.0	6.3	9.3	9.8	12.5	15.7	4.1	23806	5759
12		17.2	12.9	5.8	8.8	9.1	13.9	32.7	5.8	34807	5952
TOTALS		32.6	16.4	6.2	10.0	9.7	10.8	14.3	3.8	285590	74205

NAVAIR 50-1C-534

A & B Summaries (cont.)

DATA PROCESSING DIVISION
CLIMATIC CENTER, USAF
AIR WEATHER SERVICE (MATS)

CEILING HEIGHT

PERCENTAGE

FREQUENCY OF OCCURRENCE

33308 ADANA TURKEY/INCIRLIK AB

ALL

STATION

STATION NAME

MONTH

YEARS

MONTH	HOUR (L.S.T.)	0 - 400 FT.	500 - 900 FT.	1000 - 2000 FT.	2100 - 3000 FT.	3100 - 3900 FT.	4000 - 9900 FT.	10,000 FT. AND OVER OR UNLIMITED	TOTAL NO. OF OBSERVATIONS
01			.0	1.6	7.8	14.2	17.0	59.4	5952
02		.0	.1	2.5	7.0	12.7	11.0	66.6	5422
03		.1	.1	1.2	6.5	7.6	11.1	73.4	5952
04		.0	.1	2.9	8.4	5.2	8.4	75.1	5740
05		.0	.2	2.5	6.9	4.4	6.2	79.7	6477
06		.1	.1	2.9	7.0	2.8	2.2	84.8	6365
07		.0	.3	4.1	6.9	2.8	1.6	84.3	6695
08		.0	.1	1.6	3.4	1.1	.7	93.0	6696
09		.0	.0	.5	2.6	1.5	1.7	93.6	6479
10		.0		.2	1.2	2.4	5.0	91.2	6696
11			.0	.3	2.1	3.0	8.1	86.5	5759
12		.1	.3	2.6	6.1	11.6	12.4	66.9	5952
TOTALS		.0	.1	1.9	5.4	5.6	6.9	80.1	74209

COLUMN HEADINGS REFLECT CEILING VALUES REPORTED AS FOLLOWS: HEIGHTS REPORTED IN HUNDREDS OF FEET ABOVE THE GROUND TO NEAREST 100 FEET UP TO 3000 FEET, TO NEAREST 200 FEET UP TO 10,000 FEET, AND TO NEAREST 1,000 FEET ABOVE 10,000 FEET.

NAVAIR 50-1C-534

A & B Summaries (cont.)

DATA PROCESSING DIVISION
CLIMATIC CENTER, USAP
AIR WEATHER SERVICE (MATS)

FLYING WEATHER

FREQUENCY OF OCCURRENCE

33308 ADANA TURKEY/INCIRLIK AB JAN

STATION: 56 57 58 59 60 61 62 63 REGION NAME: MONTH:

YEARS

MONTH	DAY	WEATHER CLASSIFICATION			OBSERVATIONS WITH VISIBILITY < 1 MILE, CAUSED BY:						TOTAL NO. OF OBSERVATIONS
		CLOUD 1	INSTRUMENT 2	CONTACT 3	FOG	SMOKE AND/OR HAZE	BLOWING SNOW AND/OR DUST	PRECIPITATION	CAUSE UNKNOWN	TOTAL OBS < 1 MILE	
	00			48							248
	01			48							248
	02			48							248
	03			48							248
	04			48							248
	05			48							248
	06			48							248
	07			46							248
	08			46							248
	09			47							248
	10			45							248
	11			48							248
	12			48							248
	13			47							248
	14			48							248
	15			46							248
	16			47							248
	17			44							248
	18			46							248
	19			47							248
	20			47							248
	21			47							248
	22			47							248
	23			47							248
TOTALS			23	929							5952

1. CLOUD - CEILING < 500 FT. AND/OR VISIBILITY < 1 MI.
2. INSTRUMENT - CEILING 500 TO 999 FT. WITH VISIBILITY ≥ 1 MI. AND/OR VISIBILITY 1 TO 2 MI. WITH CEILING ≥ 500 FT.
3. CONTACT - CEILING ≥ 1000 FT. WITH VISIBILITY ≥ 3 MI.

NAVAIR 50-1C-534

C SUMMARY

This standard monthly wind summary was prepared in the past by the Air Weather Service. The summary is rather unique in that flying conditions are first classified as Closed, Instrument, or Contact, then separate wind roses are constructed for each of these conditions. Most recent wind summaries (Part C only) have been completed without regard to flying conditions.

AIR WEATHER SERVICE
CLIMATIC CENTER
DATA PROCESSING DIVISION

SURFACE WINDS

PERCENTAGE FREQUENCY OF OCCURRENCE DIRECTIONS BY SPEED GROUPS

3330R ADANA TURKEY/INCIRLIK AB ALL
STATION STATION NAME MONTHS CLASS

YEAR

SPEED DIR	1 - 3 KNOTS	4 - 10 KNOTS	11 - 21 KNOTS	22 - 27 KNOTS	28 - 40 KNOTS	41 KNOTS AND OVER	TOTAL 4 KNOTS AND OVER	TOTAL NO. OF OBSERVATIONS		SUM OF SPEED	MEAN WIND SPEED KNOTS
								%	Obs.		
N	.8	5.3	2.2	.1	.0		7.6	8.4	6257	53609	8.6
NNE	1.1	9.6	4.5	.3	.0	.0	14.5	15.6	11583	104776	9.0
NE	1.3	9.6	5.4	.4	.1		15.4	16.8	12454	117729	9.5
ENE	.6	3.1	1.4	.1	.0		4.6	5.2	3890	22480	8.3
E	.8	2.9	.3	.0	.0		3.3	4.1	3023	18244	6.0
ESE	.4	1.3	.1	.0			1.4	1.8	1348	7364	5.5
SE	.5	1.6	.2	.0			1.8	2.3	1699	9750	5.7
SSE	.5	1.5	.1	.0	.0		1.6	2.1	1559	8940	5.7
S	.9	4.7	1.2	.0	.0	.0	5.9	6.8	5067	37285	7.3
SSW	.6	4.4	1.9	.0	.0		6.4	7.0	5155	44486	8.6
SW	.5	5.1	3.3	.0	.0		8.5	9.0	6693	63500	9.5
WSW	.3	2.3	1.1	.0			3.3	3.6	2702	20147	8.6
W	.4	1.8	.4	.0	.0		2.2	2.6	1949	15802	8.0
WNW	.2	.6	.1				.6	.8	611	3988	5.5
NW	.2	.7	.1	.0	.0		.8	1.0	767	8276	6.9
NNW	.2	.7	.2	.0	.0		.9	1.2	863	6381	7.4
CALM								11.5	8543		
TOTALS	9.6	55.1	22.5	1.0	.2	.0	78.8	100.0	74163	849667	7.4

CEILING vs. VISIBILITY - D SUMMARY

This standard monthly summary was prepared in the past by the Air Weather Service. It was normally prepared for a maximum of eight three-hourly periods for each month in the form of a simultaneous cumulative frequency distribution of ceilings vs. visibilities. If records were not complete for a particular three-hour group throughout the period of record, this hour group is omitted from the summary.

Most summaries of this type that were produced after January 1966 will be found under the Revised "A" through "F" Summary headings.

AIR WEATHER SERVICE
CLIMATIC CENTER
DATA PROCESSING DIVISION

FREQUENCY OF OCCURRENCE

CEILING
VS
VISIBILITY

332CR AGANA TURKEY/INCIRLIK AB

JAN ALL
MO. MES. (L.T.)

50 57 58 59 60 61 62 63

YEARS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024	≥ 0
≥ 10000	58.1	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	61.2	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	66.6	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 7000	70.3	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	73.3	75.1	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	76.2	78.3	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	78.3	80.6	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	81.6	84.5	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	83.9	87.7	88.6	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1000	87.1	91.8	92.9	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800	88.7	94.6	96.2	97.0	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	89.2	95.6	97.2	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	89.4	95.8	97.5	98.4	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	89.4	96.0	97.6	98.6	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 10000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 9000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 8000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 7000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 6000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	89.4	96.1	97.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

Attention is called to the cumulative nature of above figures in that they are totals which progress to the right and downward. Because of this, other elements may be determined independent of the other by use of the right-hand column and the bottom row. The figure in the lower right corner is the total number of observations. The number of observations in which the station was missing or exceeding any given ceiling may be determined from the figure at the intersection of the appropriate row and column. For stations with multiple minima, for example, 600 ft. and 1/4 mile or, 300 ft. and 1 mile or, 200 ft. and 2 miles, first determine the number of favorable obs. at 600 ft. and 1/4 mile from the intersection of the row ≥ 600 and column ≥ 1/4. The number of additional obs. erected by the second criterion are those whose ceiling = 300 and visibility ≥ 1/4. To determine this enter the column for ≥ 1 and subtract the ≥ 100 value from the ≥ 300 value. This result is added to the favorable obs. obtained for the first criterion. The number of additional favorable obs. due to the third criterion are those of ceiling = 200 and visibility ≥ 2. For those enter the column ≥ 2 and subtract the value for ≥ 300 from that for ≥ 200. This result added to the previous total gives the number of favorable obs. out of the total of all obs.

NAVAIR 50-1C.534

N-TYPE SURFACE SUMMARY

These standard surface summaries are prepared by the Air Weather Service. A full N-Type Summary is composed of 18 separate summary forms as indicated below.

<u>Summary Form</u>	<u>Title</u>
1	Percentage Frequency of Surface Winds by Month, Hour and Month, to 16 Points of the Compass.
2	Percentage Frequency of Surface Winds (Seasonal and Annual) to 16 Points of the Compass.
3	Precipitation
6	Mean Frequency of Daily Maximum Temperature; Mean Maximum and Extreme Maximum Temperature
7	Mean Frequency of Daily Minimum Temperature; Mean Minimum and Extreme Minimum Temperature plus the Mean Range.
13	Mean Number of Days favorable for Indicated Military Operations.
14	Miscellaneous Data
17	Total and Low Cloud Amounts
21	Ceiling Visibility-Terminal Flying Conditions (Revised Form #18)
22	Relative Humidity Means
24	Percentage Frequency Distribution of Wind Speed and Temperature.
25	Visibility and Various Atmospheric Phenomena
26	Mean Number of Days With Specified Phenomena
27	Mean Cloudiness
28	Snow Depth
29	Percentage Frequency of Surface Winds to 8 Points of the Compass.
30	Percentage Frequency of Surface Winds to 8 Points of the Compass.
31	Sea Level Pressure

NOTE: One or all of the above Summary Forms may be included in N-Type Surface Summaries.

0



NAVAIR 50-IC-534

N Summary (cont.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF SURFACE WINDS
IN KNOTS

N SUMMARY # 2

WINTER

40892 DHALA ARABIA
JUN 59-APR 59, JUL 59-JUN 61

N 13 42

E 044 44

ELEV 4875 FT

DIR	WIND SPEED GROUPS							TOTAL PCT	TOTAL OBS	MEAN SPEED	DIR	
	01-03	04-06	07-10	11-16	17-21	22-27	28-33					34-40
N			.3	.3					.6	6	10.3	N
NNE												NNE
NE	.2	1.3	1.2	2.1	.6				3.3	31	9.6	NE
ENE		.1							.1	1	9.0	ENE
E	.3	1.2	11.4	5.3	2.0	.2			20.6	197	10.2	E
ESE		2.7	9.3	6.1	24.1	1.8		.1	44.2	423	14.7	ESE
SE		.4	8.6	1.7	.2				11.1	106	8.7	SE
SSE	.2	1.6	2.4	1.3	2.9				8.4	80	11.4	SSE
S	.1	.1	1.6	1.3	.1				3.3	32	10.2	S
SSW		.1	.2	.8	.1				1.3	12	11.4	SSW
SW	.1		.2	.1					.4	4	7.8	SW
WSW			.1	.1	.1				.3	3	12.7	WSW
W			.1						.1	1	7.0	W
WNW												WNW
NW		.2	.4	1.2	.1				1.9	18	10.7	NW
NNW	.2	.2	1.4	.3					2.1	20	7.9	NNW
VBL												VBL
CLM									.2	2		CLM
TOT	1.2	7.8	37.6	20.9	30.2	2.0		.1	100.0	934	12.0	TOT

MAXIMUM WIND ESE 44

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION
USAF STAC
AIR WEATHER SERVICE/HAC

PRECIPITATION AMOUNTS

N SUMMARY 4 3

40302 RAFAH ARABIA N 20 10 E 003 30 ELEV 1688 FT
FEB 66, APR 66, JUN 66-NOV 66, JAN 67-FEB 67, OCT 67-AUG 68, OCT 68-NOV 68

MEAN NUMBER OF DAYS WITH AMOUNT
IN INCHES

SEE FOOTNOTES BELOW

MONTH	ZERO	0.004 OR LESS	GYR 0.004	GYR 0.39	GYR 0.99	MAX DAILY	MEAN MONTHLY	MAX MONTHLY	TOTAL DAYS	MIN MONTHLY	YRS
JAN	31.0					.00	.00	.00	2		
FEB	23.3		4.7			.04	.19	.04	6		
MAR	31.0					.00	.00	.00	7		
APR	30.0					.00	.00	.00	9		
MAY	31.3					.00	.00	.00	9		
JUN	30.0					.00	.03	.00	6		
JUL	31.0					.00	.00	.00	9		
AUG	31.0					.00	.00	.00	7		
SEP	30.0					.00	.00	.00	9		
OCT	31.0					.00	.00	.00	8		
NOV	29.7		4.3			.28	1.20	.28	7		
DEC	31.0					.00	.00	.00	1		
ANN	330.0		8.9			.28	1.39	.28	74		

T--TRACE OF PRECIPITATION/0.004 INCH OR LESS.

MAXIMUM DAILY AND MAXIMUM MONTHLY VALUES ARE OFTEN SELECTED FROM INCOMPLETE MONTHS,
AND MAY HAVE BEEN EXCEEDED HAD COMPLETE MONTHLY DATA BEEN AVAILABLE.

MEAN MONTHLY VALUES ARE MEANS ADJUSTED TO THE STANDARD DAYS PER MONTH, 31 FOR JANUARY,
28 FOR FEBRUARY, ETC.

MINIMUM MONTHLY VALUES ARE BASED ON ONLY THOSE MONTHS WITH ALL DAYS REPORTED,
AND ONLY FULL YEARS ARE USED FOR THE ANNUAL LINE.

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION MAXIMUM TEMPERATURE N SUMMARY 6 6
USAP STAC MEAN NUMBER OF DAYS BY CLASSES, MEANS AND EXTREMES
AIR WEATHER SERVICE/MAC

40362 RAFAH ARABIA N 29 39 E 043 30 ELEV 1495 FT
JAN 66-APR 66, JUN 66-MAY 67, AUG 67-DEC 68

CLASSES DEGREES F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ABOVE 129													
120 TO 129						4.0	7.4	10.9	1.0				22.9
110 TO 119						20.8	23.6	18.9	25.3	2.7			91.3
100 TO 109					5.0	2.3		1.7	3.2	14.8	1.3		97.9
90 TO 99	2.0	3.7	10.3	13.3	28.8	2.3				12.1	13.3		80.1
80 TO 89	2.0	11.2	14.9	11.7	2.2	2.3				1.3	12.0	23.2	78.9
70 TO 79	13.3	11.2	3.7								3.0	3.4	39.3
60 TO 69	3.2	1.9										1.9	9.0
50 TO 59	3.2												3.2
40 TO 49													
30 TO 39													
20 TO 29													
10 TO 19													
0 TO 9													
- 1 TO - 9													
-10 TO -19													
-20 TO -29													
-30 TO -39													
-40 TO -49													
-50 TO -59													
-60 TO -69													
-70 TO -79													
-80 TO -89													
BELOW -89													
ABOVE 99						23.4	31.0	29.3	26.6	2.7			113.2
ABOVE 89						27.7	31.0	31.0	30.0	17.3	1.3		172.3
ABOVE 79	2.0	3.7	10.3	13.3	31.0	30.0	31.0	31.0	30.0	29.7	13.0		232.6
BELOW 33													
BELOW 1													
MEAN MAX	61.2	68.9	73.8	80.4	93.9	103.3	107.3	106.3	102.7	91.2	79.7	70.4	88.9
EXTREME MAX	81	88	88	93	99	111	117	117	113	100	90	78	117
TOTAL OBS	12	13	27	18	14	13	21	18	19	23	20	16	216

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MINIMUM TEMPERATURE
MEAN NUMBER OF DAYS BY CLASSES, MEANS, EXTREMES
AND MEAN DAILY TEMPERATURE RANGE

N SUMMARY # 7

40362 NAPHA ARABIA
JAN 63-DEC 64, FEB 66-DEC 68

N 29 39 E 043 30 ELEV 1452 FT

CLASSES DEGREES F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ABOVE 119													
110 TO 119													
100 TO 109													
90 TO 99					1.9	2.4	7.1	3.2	4.8				19.4
80 TO 89					1.0	3.7	6.2	3.2	2.9				10.9
70 TO 79				2.4	9.7	19.8	17.7	22.1	7.7	3.7	1.7		86.7
60 TO 69		.9	2.7	7.3	13.5	4.3		2.3	14.3	10.7	4.3		68.8
50 TO 59	1.3	4.7	9.1	17.0	2.9					10.3	12.0	4.3	61.8
40 TO 49	10.9	11.2	18.2	3.2							8.6	10.7	62.7
30 TO 39	9.4	8.4	.9								3.4	12.8	39.0
20 TO 29	1.3	.9										1.1	3.3
10 TO 19	4.0	1.9										2.1	8.0
0 TO 9	4.0												4.0
-1 TO -9													
-10 TO -19													
-20 TO -29													
-30 TO -39													
-40 TO -49													
-50 TO -59													
-60 TO -69													
-70 TO -79													
-80 TO -89													
-90 TO -99													
BELOW -99													
BELOW 33	9.4	2.9										3.2	13.4
BELOW 1													
BELOW -29													
MEAN MIN	36.3	42.3	49.2	37.6	69.1	75.4	80.1	75.4	73.9	61.8	32.3	40.9	59.6
EXTREME MIN	18	23	36	43	57	61	70	66	63	30	34	23	18
TOTAL OBS	23	30	34	27	32	49	33	49	31	30	33	29	434
MEAN RANGE	19.9	28.2	32.1	22.7	24.3	20.7	30.1	30.6	26.0	27.4	20.1	30.0	20.3
TOTAL DAYS	2	6	7	10	9	6	9	7	3	8	7	1	73

NAVAIR 50-1C-534

N Summary (cont.)

AIR WEATHER SERVICE

N SUMMARY 0 13

CLIMATIC CENTER

02 LST

DATA PROCESSING DIVISION

MEAN NUMBER OF DAYS FAVORABLE FOR
INDICATED MILITARY OPERATIONS

62059 DERNA LIBYA

32 44 N 022 38 E 30 FT

JAN 56-DEC 63

MONTH	FLYING COND A		INCENDIARY BOMBING		PARACHUTE OPERATIONS		CHEMICAL WARFARE		VISUAL HIGH LVL BOMBING	
	DAYS	OBS	DAYS	OBS	DAYS	OBS	DAYS	OBS	DAYS	OBS
JAN	31.0	232	10.8	232	11.1	232	7.8	232	10.4	232
FEB	28.0	225	10.4	224	11.3	224	7.4	224	9.1	225
MAR	30.9	248	9.2	247	14.3	247	8.8	247	12.9	248
APR	30.0	225	7.9	225	15.9	225	9.6	225	14.3	225
MAY	31.0	232	8.2	232	18.6	232	10.7	232	10.4	232
JUN	30.0	220	9.8	220	12.8	220	8.3	220	22.2	220
JUL	31.0	235	16.5	235	7.7	235	5.5	235	23.5	235
AUG	31.0	247	17.3	247	7.3	247	5.6	247	23.3	247
SEP	30.0	238	9.8	238	13.0	238	7.9	238	17.6	238
OCT	31.0	247	6.3	246	17.5	246	10.2	246	12.9	247
NOV	30.0	238	7.0	239	16.5	238	12.1	239	13.2	238
DEC	31.0	233	12.8	233	10.9	233	8.6	233	11.2	233
ANN	364.9	2820	125.9	2818	156.7	2817	102.9	2818	189.1	2820

FLYING CONDITION A--LOW CLOUD AMOUNT 0-4/8, OR IF 5-8/8 HEIGHT MUST BE 984 FT OR GREATER, AND VISIBILITY 2 1/2 MI OR GREATER.

INCENDIARY BOMBING--SURFACE WIND 17 KTS OR GREATER WITH NO PRECIPITATION OCCURRING.

PARACHUTE OPERATIONS--FLYING CONDITION A WITH SURFACE WIND SPEED 10 KTS OR LESS.

CHEMICAL WARFARE--SURFACE WIND SPEED 4-10 KTS, TEMPERATURE 33-89 DEG F, & NO PRECIPITATION OCCURRING.

VISUAL HIGH LEVEL BOMBING--TOTAL SKY COVER 2/8 OR LESS WITH VISIBILITY 2 1/2 MI OR GREATER.

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

MISCELLANEOUS DATA

N SUMMARY # 14

03 LST

40362 RAFA ARARIA
JAN 63-DEC 64, JAN 66-JUN 67, OCT 67-DEC 68

N 20 39 E 043 30 ELEV 1455 FT

MEAN NUMBER OF DAYS WITH OCCURRENCE OF VARIOUS WEATHER PHENOMENA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
WIND SPEED >27 KTS			.4	.3									.9
TOTAL OBSERVATIONS	25	30	76	64	37	49	49	37	46	44	43	43	398
LIQUID PCPN		.3										.7	1.1
SNOWFALL													
THUNDER													
HAZE AND/OR SMOKE													
DUST				.3	.3							.7	1.7
TOTAL OBSERVATIONS	25	60	76	64	37	49	49	37	46	44	43	43	367
POB WITH													
VISBY <3/8 MI													
VISBY 3/8-2 1/4 MI													
VISBY >2 1/4 MI													
TOTAL OBSERVATIONS	25	60	76	64	37	49	49	37	46	44	43	43	367
SNOW DEPTH													
1.0 IN. OR MORE													
6.0 IN. OR MORE													
10.0 IN. OR MORE													
TOTAL OBSERVATIONS													

MEAN TEMPERATURE IN DEGREES FAHRENHEIT

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
MEAN	37.2	47.2	53.8	62.8	70.1	79.0	80.1	79.9	73.3	69.3	59.7	48.0	62.1
TOT OBS	25	60	76	64	36	49	49	37	46	44	43	43	398

NAVAIR 50-1C-534

N Summary (cont.)

AIR WEATHER SERVICE

N SUMMARY # 17

CLIMATIC CENTER

C2 LST

DATA PROCESSING DIVISION

MEAN NUMBER OF DAYS WITH INDICATED
TOTAL AND LOW CLOUD AMOUNTS

62359 DERNALIBYA

32 44 N 022 38 E 30 FT

JAN 56-DEC 63

MONTH	MEAN TOTAL CLD IN OKTAS	MEAN NUMBER OF DAYS WITH TOTAL CLOUD AMOUNT				TOTAL OBS	MEAN NUMBER OF DAYS WITH LOW CLOUD AMOUNT*				TOTAL OBS
		0-1/8	0-2/8	3-5/8	6-8/8		0-1/8	0-2/8	3-5/8	6-8/8	
JAN	3.8	8.3	10.4	10.4	10.2	232	10.3	12.7	10.3	8.0	232
FEB	4.0	7.3	9.0	8.3	10.7	226	9.5	11.3	7.4	9.3	226
MAR	3.3	9.6	12.9	9.9	8.3	248	13.1	15.8	8.9	6.4	248
APR	3.1	11.5	14.3	8.5	7.2	225	13.9	16.7	7.5	5.9	225
MAY	2.2	15.5	18.4	8.5	4.5	232	17.2	20.2	7.2	3.6	232
JUN	1.3	19.0	22.2	6.4	1.4	220	19.9	22.9	6.1	1.0	220
JUL	1.1	20.8	23.5	7.5		235	20.8	23.5	7.5		235
AUG	1.2	19.2	23.3	7.5	.1	247	19.2	23.3	7.5	.1	247
SEP	2.1	12.9	17.6	10.7	1.6	238	13.1	18.0	10.5	1.5	238
OCT	2.9	10.3	12.9	12.4	5.1	247	11.4	14.1	12.4	4.5	247
NOV	3.2	9.8	13.2	9.5	7.3	239	11.9	15.7	9.4	4.9	239
DEC	3.6	7.8	11.2	10.0	9.8	233	11.0	14.1	9.8	7.1	233
ANN	2.7	151.9	189.0	109.7	66.2	2822	171.4	208.1	104.6	52.2	2822

*LOW CLOUD AMOUNT IS FROM THE SYNOPTIC CODE SYMBOL N WITH A LOWER CASE H SUBSCRIPT AND NORMALLY REPRESENTS THE FRACTION OF THE CELESTIAL DOME COVERED BY THE CLOUD TYPE REPORTED FOR THE LOW LAYER OR IF NONE FOR THE MIDDLE LAYER REGARDLESS OF HEIGHT.

NAVAIR 50-1C-534

N Summary (cont.)

AIR WEATHER SERVICE

N SUMMARY 0 21

CLIMATIC CENTER

JAN 02 LST

DATA PROCESSING DIVISION

PERCENTAGE FREQUENCY OF OBSERVATIONS WITH

LOW CLOUDS AND VISIBILITY REPORTED

62059 DERNA LIBYA

32 44 N 022 30 E 30 FT

YEARS 56,57,58,59,60,61,62,63

LOW CLOUD AMT 5-8/8 WITH LOW CLOUD HEIGHT IN FEET

VISIBILITY IN MILES	LOW CLOUD AMOUNT		000 TO	328 TO	656 TO	984 TO	1968 TO	3281 TO	4921 TO	6562 TO	8202 OR ABV	TOTAL %	TOTAL OBS
	0-2/8	3-4/8	327	655	983	1967	3280	4920	6561	8201			
BELOW 1/8													
1/8-5/16													
5/16-5/8													
5/8-1 1/4													
1 1/4-2 1/2													
2 1/2-6	36.6	21.6					1.7	28.4	1.7			4.7	94.8 220
6-12	4.3	.4										.4	5.2 12
12-30													
30 OR MORE													
TOTAL PCT	40.9	22.0					1.7	28.4	1.7			5.2	100.0 232

TERMINAL FLYING CONDITION A
100.0 %

TERMINAL FLYING CONDITION B
%

TERMINAL FLYING CONDITION C
%

A--VISIBILITY 2 1/2 MI OR GREATER WITH LOW CLOUD AMOUNT 0-4/8, OR IF 5-8/8, AT HEIGHT OF 984 FT OR GREATER.

B--VISIBILITY 1 1/4 MI OR GREATER WITH LOW CLOUD AMOUNT 0-4/8, OR IF 5-8/8, AT HEIGHT OF 656 FT OR GREATER, BUT NOT MEETING CONDITION A CRITERIA.

C--VISIBILITY LESS THAN 1 1/4 MI, OR LOW CLOUD AMOUNT 5-8/8 AT HEIGHT BELOW 656 FT.

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION MEAN RELATIVE HUMIDITY PERCENTAGES N SUMMARY # 22
USAF ETAC
AIR WEATHER SERVICE/MAC

40302 RAHMA ABARIA M 29 30 E 042 30 ELEV 1488 FT
APR 51-JUN 53, AUG 53-DEC 53, JAN 54-DEC 54, JAN 55-DEC 55

MONTH	00	03	06	HOUR, LST 09 12 15 18 21	MEAN	TOTAL OBS
JAN PCT		62.9		56.7	49.9	54.0
JAN OBS		25		40	66	24
FEB PCT		66.7		61.6	46.0	54.7
FEB OBS		60		33	82	46
MAR PCT		53.0		51.3	35.5	41.3
MAR OBS		74		62	97	62
APR PCT		51.3		44.3	32.7	39.6
APR OBS		64		65	80	43
MAY PCT		45.2		35.5	20.7	33.3
MAY OBS		56		37	98	42
JUN PCT		31.4		27.9	18.8	28.3
JUN OBS		42		68	97	48
JUL PCT		33.7		26.7	17.9	25.2
JUL OBS		49		63	88	48
AUG PCT		35.3		29.1	20.1	29.9
AUG OBS		37		65	106	44
SEP PCT		40.7		26.7	19.7	27.7
SEP OBS		46		33	103	44
OCT PCT		44.3		42.9	26.4	37.9
OCT OBS		44		70	102	47
NOV PCT		64.7		57.3	40.1	55.6
NOV OBS		45		70	109	52
DEC PCT		54.4		59.6	47.2	55.4
DEC OBS		45		30	98	47
ANN PCT		49.1		43.3	31.2	40.2
ANN OBS		596		718	1126	546
						41.0
						2968

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION		PERCENTAGE FREQUENCY DISTRIBUTION										N SUMMARY # 26	
UNAP STAC		OF WIND SPEED AND TEMPERATURE										JAN	09 LST
AIR WEATHER SERVICE/MAC													
40862 RAPHIA ARABIA		N 29 30 E 043 30										ELEV	1459 FT
YEARS 03-04,06-08													
TEMPERATURE	WIND SPEED CLASSES IN KNOTS									TOTAL	TOTAL		
DEGREES F	CALM 01-03 04-06 07-10 11-16 17-21 22-27 28-33 34-40 >40	PCT	OBS										
ABOVE 110													
100 TO 110													
101 TO 109													
90 TO 100													
91 TO 99													
80 TO 90													
81 TO 89													
70 TO 80													
71 TO 79													
60 TO 70													
61 TO 69													
50 TO 60	4.0			4.0						1			
51 TO 59	4.0		4.0							2			
40 TO 50			4.0							1			
41 TO 49	4.0			4.0						2			
30 TO 40	4.0			4.0						1			
31 TO 39	4.0	10.0	10.0							2			
20 TO 30	8.0									2			
21 TO 29			4.0							1			
10 TO 20	4.0	8.0	4.0							0			
11 TO 19	4.0									1			
0 TO 10													
1 TO 9													
0 TO -4													
-5 TO -9													
-10 TO -14													
-15 TO -19													
-20 TO -24													
-25 TO -29													
-30 TO -34													
-35 TO -39													
BELOW -39													
TOTAL PCT	12.0 20.0 22.0 10.0 4.0	100.0											
TOTAL OBS	3 9 8 4 1		25										

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF
VISIBILITY AND VARIOUS ATMOSPHERIC PHENOMENA

N SUMMARY # 29

JAN

4096Z RAFAA ARABIA
YEARS 52-53, 53-54, 54-55

M 29 30 E 043 30 ELEV 1459 FT

VISIBILITY	FOG	DUST	HAZE/ SMOKE	DRIZZLE	RAIN	SNOW	THUNDER	OTHER	TOTAL PCT	TOTAL OBS
< 1/8 MI										
< 9/16 MI										
< 3/8 MI										
< 1 1/4 MI										
< 2 1/2 MI										
< 6 MI		1.3							1.3	2
< 12 MI		1.9			.6			20.9	23.1	36
12 MI OR GTR								76.9	76.9	120
TOTAL PCT		1.9			.6			97.4	100.0	
TOTAL OBS		3			1			132		156

SINCE MORE THAN ONE TYPE OF PRECIPITATION, OR MORE THAN ONE TYPE OF OBSTRUCTION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUMS OF THE VALUES IN THE INDIVIDUAL HORIZONTAL CATEGORIES MAY EXCEED THE TOTAL PERCENTAGE COLUMNS.

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION MEAN NUMBER OF DAYS WITH SPECIFIED PHENOMENA N SUMMARY 0-20
USAF ETAC
AIR WEATHER SERVICE/MAC

40302 RAFAH ARABIA M 20 20 E 043 30 ELEV 1689 FT
MAR 63-APR 63, JUN 63-AUG 63, MAR 64, MAY 64, FEB 65-MAR 65, JUN 65-AUG 65, OCT 65-DEC 65,
FEB 67, OCT 67, JAN 68-AUG 68

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
MEAN DAILY CLOUDINESS													
2/8 OR LESS	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0		31.0	30.0	31.0	
6/8 OR GTR													
TOTAL DAYS	1	4	12	3	3	4	6	4		4	4	1	
WIND SPEED													
>27 KNOTS													
TOTAL DAYS	1	4	12	3	3	4	6	4		4	4	1	
SNOWFALL													
TOTAL DAYS	1	4	11	3	3	4	6	4		3	4	1	
THUNDER													
TOTAL DAYS	1	4	11	3	3	4	6	4		3	4	1	
HAIL													
TOTAL DAYS	1	4	11	3	3	4	3	4		3	4	1	
HAZE/SMOKE													
TOTAL DAYS	1	4	11	3	3	4	6	4		3	4	1	
DUST*					4.2		3.2						
TOTAL DAYS	1	4	11	3	3	4	6	4		3	4	1	
FOG													
TOTAL DAYS	1	4	11	3	3	4	6	4		3	4	1	

*DUE TO CODING PRACTICES, DRIFTING SNOW OR BLOWING SNOW MAY ALSO BE INCLUDED.

THIS SUMMARY BASED ON AVAILABILITY OF A MINIMUM OF 4 SYNOPTIC OBSERVATIONS DAILY.

NAVAIR 50-1C-534

N Summary (cont.)

AIR WEATHER SERVICE

N SUMMARY # 27

ETAC, USAF

DATA PROCESSING DIVISION

MEAN CLOUDINESS

47016 HESAN KOREA

41 24 N 128 39 E UNKN FT

FEB 57-MAY 63

		HOUR, LOCAL STANDARD TIME								MEAN
MONTH		00	03	06	09	12	15	18	21	
JAN	PCT	24.7	27.0	30.0	43.0	33.2	45.0	38.6	30.9	34.0
	OBS	99	165	111	173	127	169	114	171	1129
FEB	PCT	28.3	30.6	39.2	42.2	39.7	46.8	41.1	31.5	37.4
	OBS	92	180	106	183	122	177	100	180	1140
MAR	PCT	42.8	40.4	47.4	53.1	59.6	58.7	56.9	41.7	50.1
	OBS	103	194	111	195	131	193	109	201	1239
APR	PCT	41.7	45.4	59.6	60.3	64.8	69.5	61.9	40.5	55.5
	OBS	104	183	105	179	131	187	111	190	1195
MAY	PCT	39.6	44.7	60.4	57.5	59.0	66.8	65.3	55.6	56.0
	OBS	113	187	106	180	138	186	119	191	1220
JUN	PCT	49.1	53.8	76.9	70.3	63.9	71.1	70.3	66.4	65.2
	OBS	88	155	81	147	109	146	86	166	978
JUL	PCT	57.1	64.8	85.7	74.6	66.5	70.5	75.0	68.7	70.4
	OBS	67	153	77	151	106	152	80	168	974
AUG	PCT	64.7	70.7	87.7	81.8	71.0	71.5	72.3	66.0	73.2
	OBS	91	159	83	158	119	149	87	166	1022
SEP	PCT	46.1	51.5	75.5	76.5	55.4	55.7	57.2	43.2	57.6
	OBS	105	174	106	148	127	157	101	161	1024
OCT	PCT	40.2	35.8	45.7	47.5	43.6	45.2	43.5	36.6	42.2
	OBS	116	174	116	170	134	170	109	177	1166
NOV	PCT	42.1	41.2	42.1	52.0	48.2	50.7	40.1	35.3	44.0
	OBS	78	167	84	160	105	154	83	164	995
DEC	PCT	41.1	38.4	38.8	52.3	39.8	41.8	43.3	38.0	41.7
	OBS	86	160	84	159	109	163	84	167	1012
ANN	PCT	43.2	45.3	57.4	59.3	53.7	57.8	55.5	46.2	52.3
	OBS	1167	2013	1170	2003	1453	2003	1183	2102	13094

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION		MAXIMUM SNOW DEPTH BY DECADE		N SUMMARY # 28	
USAF ATAC		MEAN AND EXTREME DATES OF FIRST AND LAST			
AIR WEATHER SERVICE/ATAC		SNOW DEPTH BY TRACE OR MORE			
STATION		NAME		ELEV XXXXX FT	
PERIOD OF RECORD (TRANS IN)		N S XX XX		E XXX XX	
PERIOD OF RECORD (TRANS IN)					

MAXIMUM SNOW DEPTH BY DECADE												
DECADE	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
01-10	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
CR1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
11-20	XXX											
CR2	XXXX											
21-30	XXX											
CR3	XXXX											

CODE T REPRESENTS LESS THAN .5 INCH.
CODE A REPRESENTS MORE THAN 7 INCHES.
CODE N REPRESENTS MORE THAN 7.5 INCHES.
CODE C REPRESENTS MORE THAN 157 INCHES.

MAXIMUM SNOW DEPTH, ALTHOUGH FROM VARIOUS ORIGINAL
SOURCES AND UNITS, IS GIVEN ABOVE TO THE NEAREST
WHOLE INCH. LIMITS USED IN N 14 ARE TO THE NEAREST
TENTH OF AN INCH.

FIRST AND LAST SNOW DEPTH OF TRACE OR MORE						
DATE		CRS*		DATE		CRS**
MEAN EARLIEST		DA MON YR		MEAN LATEST		DA MON YR
EXTREME EARLIEST		DA MON YR		EXTREME LATEST		DA MON YR
						XX
* NUMBER OF AVAILABLE REPORTS OF SNOW DEPTH BEFORE EXTREME EARLIEST, BUT IN THE SAME YEAR-MONTH. ** NUMBER OF AVAILABLE REPORTS OF SNOW DEPTH AFTER EXTREME LATEST, BUT IN THE SAME YEAR-MONTH.						
MEAN DAYS WITH SNOW COVER EQUAL TO OR GREATER THAN ONE AND SIX INCHES						
AUG		SEP	OCT	NOV	DEC	JAN
FEB		MAR	APR	MAY	JUN	JUL
1 INCH		XX.X				XX.X
6 INCHES		XX.X				XX.X
TOTAL DAYS		XXXX				XXXX

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE MAC

PERCENTAGE FREQUENCY OF SURFACE WINDS
IN KNOTS

N SUMMARY 4 29

JAN 03 LST

40362 RAEMA ARANIA
YEARS 63-64,66-68

N 23 39 E 093.30 ELEV 1423 FT

DIR	01-06	07-16	17-27	28-40	>40	TOTAL PCT	TOTAL OBS	MEAN SPEED	DIR
N	4.0					4.0	1	4.0	N
NE		8.0				8.0	2	8.0	NE
E		8.0				8.0	2	13.0	E
SE	4.0	20.0				24.0	6	9.0	SE
S	12.0		4.0			16.0	4	7.3	S
SW	16.0	8.0				24.0	6	9.3	SW
W	4.0					4.0	1	4.0	W
NW	8.0	4.0				12.0	3	9.7	NW
VBL									VBL
CLM									CLM
TOT	48.0	48.0	4.0			100.0	23	7.4	TOT

MAXIMUM WIND SEE 18

NAVAIR 50-1C-534

N Summary (cont.)

DATA PROCESSING DIVISION USAP BTAC AIR WEATHER SERVICE MAC			PERCENTAGE FREQUENCY OF SURFACE WINDS IN KNOTS				N SUMMARY 0 30 WINTER	
40202 RAFAA ARARIA			M 29 39 E 042 30				ELEV 1422 FT	
APR 51-DEC 53, JAN 03-DEC 04, JAN 06-DEC 08								
DIR	01-06	WIND SPEED GROUPS			TOTAL PCT	TOTAL OBS	MEAN SPEED	DIR
		07-16	17-27	28-40				
N	4.3	4.0	.3	.2	9.6	82	7.9	N
NE	4.3	4.9	.2		9.4	61	7.6	NE
E	1.3	4.9	.6		6.6	43	10.3	E
SE	6.3	9.0	2.2		17.5	113	9.2	SE
S	4.3	9.1	1.2		14.7	93	9.4	S
SW	6.4	9.2	.3		13.4	87	7.4	SW
W	4.9	6.2	.6		11.9	77	8.6	W
NW	4.3	9.6	.9	.3	15.1	98	9.7	NW
VOL								VOL
CLM					1.7	11		CLM
TOT	37.2	33.9	6.6	.3	100.0	647	8.6	TOT
MAXIMUM WIND MNW 32								

N Summary (cont.)

SUMMARY

N 30 30 E 040 30 ELEV 1781 FT

1 - 79

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS (RUSSWO)

REVISED "A" THROUGH "F" SUMMARIES

These revised summaries of surface weather observations are prepared by ETAC, Air Weather Service, and supplement the original "A" through "E" summaries for active stations. They provide a more detailed climatic summary of the elements previously covered.

These summaries are similar to Parts A-F of the Summary of Meteorological Observations, Surface (SMOS) which utilizes essentially the same program. However, two tables in the SMOS are not included in the RUSSWO. These are: wind direction vs. weather conditions, (contained in Part A) and wind direction vs. temperature (contained in Part E).

Part A - Weather Conditions/Atmospheric Phenomena

Part B - Precipitation/Snowfall/Snow Depth

Part C - Surface Winds

Part D - Ceiling Versus Visibility/Sky Cover

*Part E - Daily Max, Min & Mean Temperature
Extreme Max & Min Temperature
Psychrometric Dry vs Wet Bulb
Relative Humidity*

Part F - Station Pressure/Sea Level Pressure

NAVAIR 50.1C-534

WINDS ALOFT SUMMARY - WBAN 120 Rev.

The majority of these standard Winds Aloft Summaries have been prepared by the Air Weather Service. The format, however, is used also by the NCC and the Naval Weather Service. These summaries are either seasonal or monthly and are prepared for various constant height levels or constant pressure levels which has been indicated in the coding practices. No scaling of geostrophic winds was attempted to fill in missing data.

ASD MD 9

[illegible]

- 4453-02

NAVAIR 50-1C-534

WBAN 120 Rev (cont.)

DATA PROCESSING DIVISION
CLIMATIC CENTER, USAF
AIR WEATHER SERVICE (AWTS)

(PERCENTAGE) OF DIRECTIONS
(FREQUENCY) BY SPEED GROUPS

WINDS ALOFT SUMMARY

6345C ADDIS ABABA ETHIOPIA
STATION STATION NAME

WINTER
00 00 00000

PIBALS
TYPE M DIRECTION

8000 FEET
1200

57 58 59 60 61 62 63

SPEED KNOTS	SPEED										TOTAL ALL OBS.	SPEED (KNOTS)	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50		000	DEAR
0-5	100	100	100	100	100	100	100	100	100	100	100		
5-10	100	100	100	100	100	100	100	100	100	100	100		
10-15	100	100	100	100	100	100	100	100	100	100	100		
15-20	100	100	100	100	100	100	100	100	100	100	100		
20-25	100	100	100	100	100	100	100	100	100	100	100		
25-30	100	100	100	100	100	100	100	100	100	100	100		
30-35	100	100	100	100	100	100	100	100	100	100	100		
35-40	100	100	100	100	100	100	100	100	100	100	100		
40-45	100	100	100	100	100	100	100	100	100	100	100		
45-50	100	100	100	100	100	100	100	100	100	100	100		
50-55	100	100	100	100	100	100	100	100	100	100	100		
55-60	100	100	100	100	100	100	100	100	100	100	100		
60-65	100	100	100	100	100	100	100	100	100	100	100		
65-70	100	100	100	100	100	100	100	100	100	100	100		
70-75	100	100	100	100	100	100	100	100	100	100	100		
75-80	100	100	100	100	100	100	100	100	100	100	100		
80-85	100	100	100	100	100	100	100	100	100	100	100		
85-90	100	100	100	100	100	100	100	100	100	100	100		
90-95	100	100	100	100	100	100	100	100	100	100	100		
95-100	100	100	100	100	100	100	100	100	100	100	100		
TOTALS	5	12	1								18	214	12.2
VELOCITY	27.8	66.7	5.6									100.0	
WIND	5.2	14.1	24.0										
84	11.0300	7.565											
18	10.973	6.175											
27	1.124	4.370											
20.228													
347.405													
3.888													
.90													
219													
12.2													

- Standard deviation of east component
- Standard deviation of north component
- Standard vector deviation of wind velocity
- Coriolis coefficient of both east and north components
- Actual wind speed
- Resultant wind speed
- Standard deviation of wind speeds
- Whichever ratio 21000000, printed 999 9999
- Whichever ratio 2100000, printed 99.99

- Standard deviation of wind components along the major axis of the distribution
- Standard deviation of wind components perpendicular to the major axis of the distribution
- Angle of rotation of the major axis of the wind distribution counter-clockwise from 0-90 direction
- Resultant wind direction
- Resultant wind speed
- Standard deviation of wind speeds
- Whichever ratio 21000000, printed 999 9999
- Whichever ratio 2100000, printed 99.99

NAVSIG-66

NAVAIR 50-1C-534

N-TYPE UPPER WIND ROSE

This standard type seasonal upper air wind rose has been prepared routinely by the Air Weather Service for a special project. The illustrated format is self-explanatory. Only a few deviations from this format have been made, i. e., a few stations have been tabulated by months and wind speed class intervals were changed slightly for a few stations on tabulation reruns.

AIR WEATHER SERVICE
DATA CONTROL DIV

SUMMARY NO. 15

PERCENTAGE FREQUENCY OF WINDS ALOFT

WICK SCOTLAND

STATION NAME

METERS

03075

HEIGHT UNITS

STATION No

PERIOD

SEASON	SPEED	HEIGHT	DIR	PERCENTAGE FREQUENCY OF SPEED GROUPS								TOTAL (%)	TOTAL OBS
				MPH 1-4	5-16	17-20	21-24	25-28	29-32	33-36	37-40		
				KNOTS 1-3	4-16	17-20	21-24	25-28	29-32	33-36	37-40		
				M'S 1-2	3-6	8-10	11-12	13-14	15-16	17-18	19-20		
1	1500	N			6.0	3.4			7			10.1	15
		NNE			3.4	7						4.0	6
		NE		7	5.4	7						6.7	10
		ENE		7	7			7				2.0	3
		E			3.4	1.3		7				5.4	8
		ESE			2.0	1.3						3.4	5
		SE		7	1.3							2.0	3
		SSE		7	7	7						2.0	3
		S			5.4	1.3		7				7.4	11
		SSW			3.4	1.3		7				5.4	8
		SW			4.0	2.7	1.3					8.1	12
		WSW		7	3.4	3.4	2.7		7			10.7	16
		W		7	3.4	7.4	2.0					13.4	20
		WNW			2.0	1.3	1.3					4.7	7
		NW			3.4	1.3	2.0		7			7.4	11
		NNW			3.4	2.0	2.0					7.4	11
		C											
TOTALS				4.0	51.0	28.9	14.1	2.0				100.0	149

SEASON CODE
1- DEC JAN FEB
2- MAR APR MAY
3- JUN JUL AUG
4- SEP OCT NOV

NAVAIR 50-1C-534

ROCKETSONDE SUMMARY

Rocketsonde Summaries, (winds aloft 80,000 to 250,000 feet) are not currently prepared in this format by the Air Weather Service. The format is similar to the WBAN 120 Rev. Tables I and II Rocketsonde Summaries are the current formats in use. NCC publishes monthly the High Altitude Meteorological Data Reports.

DATA PROCESSING SYSTEM
CLIMATIC CENTER, USAF
AIR WEATHER SERVICE UNIT

{PERCENTAGE
FREQUENCY} OF DIRECTIONS
BY SPEED GROUPS

WINDS ALOFT SUMMARY

12068 ANN CAPE KENNEDY FLORIDA										JAN	ROCKETSONDE 175000 FEET																									
STATION NAME										NO 04 142304	TYPE OF OBSERVATION																									
61	62	63	64																																	
FPS	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	160-169	170-179	180-189																	
0-9	0.0	10.0	32.9	46.8	114.6	7.0	83.5	126.4	155.7	167.9	252.3	356.1	TOTAL ALL OPS		SPEED (KNOTS)																					
10-19	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
20-29	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
30-39	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
40-49	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
50-59	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
60-69	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
70-79	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
80-89	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
90-99	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
100-109	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
110-119	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
120-129	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
130-139	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
140-149	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
150-159	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
160-169	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
170-179	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
180-189	0.0	10.0	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	11.11	10.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
TOTAL	1	2	2	5	1	1	1	4	7	1	26	1	26	1	100.0	FPS	122.0	122.0	122.0																	
REMARKS	3.0	7.7	7.7	15.2	3.0	11.5	15.4	26.9	3.0	100.0	FPS	122.0																								
0-9	6.0	16.5	24.0	34.6	45.0	6.3	93.5	122.5	151.0	167.9	252.3	356.1																								
10-19	256	50.7779	69.321	57558.299	185858.000	1.069	1.31	64.719	24.833	44.685																										
20-29	26	48.755	54.851	1267.642	137319.942	1.125	1.55	723	2.606																											
30-39	35	12.279	42.378	319.252	48818.050	3.451	7.0	1880	72.3																											
* Standard deviation of east components * Standard deviation of north components * Standard vector deviation of wind velocity * Correlation coefficient of north and east components * Average wind speed * Vector wind speed * Ratio of standard deviation east/north																																				
PH L 42.3 FPS PH V 10.7 FPS SD L 42.6 FPS SD V 71.5 FPS																																				
* Standard deviation of wind components along the major axis of the distribution * Standard deviation of wind components perpendicular to the major axis of the distribution * Angle of rotation of the major axis of the wind distribution measured clockwise from 0-90 degrees * Dominant wind direction * Dominant wind speed * Standard deviation of wind speeds * Wherever ratio 21000 0000, printed 999 9999 * Wherever ratio 2100 00, printed 99 99																																				
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NAVAIR 50-1C-534

ROCKETSONDE SUMMARY

Table I & Table II (Temps, Pres, Density and the three extremes)

These are special summaries prepared by Air Weather Service (AWS) as a pilot project to provide the three (3) categories of Temperature, Pressure, and Density for study and evaluation of recorded data from 25-75 kma. Further studies of this type will be tabulated and the limits extended upward when the data becomes available.

Table I

DATA PROCESSING DIVISION
USAF
AIR WEATHER SERVICE/MAC
ROCKETSONDE DATA

10720	PORT SHIPMAN PAMAHA CANAL LOCK					MAY				
	MEAN	DEV	MAX	MIN	ONS	MEAN	DEV	MAX	MIN	ONS
26 KM	25.4211	.27091	25.709	24.947	9	32.3-	1.41-	31-	35-	9
27 KM	21.0066	.11844	22.061	21.350	9	30.3-	1.732	29-	33-	9
28 KM	21.6760	9.17852	27.947	18.378	10	27.3-	1.636	25-	29-	10
29 KM	18.6722	7.69919	21.130	15.651	10	25.6-	1.995	22-	28-	10
30 KM										
31 KM										
32 KM										
33 KM										
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60 KM										
61 KM	.3005	.12522	.351	.206	4	7.3-	7.805	3-	14-	4
62 KM	.2663	.11311	.264	.183	4	7.3	4.690	2-	15-	4
63 KM	.2345	.10522	.225	.162	4	9.3	7.805	3	16-	4
64 KM										
65 KM										
66 KM										
67 KM										
68 KM										
69 KM										
70 KM										
71 KM										
72 KM										
73 KM										
74 KM										
75 KM										

NAVAIR 50-1C-534

Table II

Rocketsonde Summary (Cont.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE

ROCKETSONDE DATA

ARTICHA INT

MONTH JAN

- DENSITY -												
MAXIMUM						MINIMUM						
1		2		3		1		2		3		
ID	VALUE	ID	VALUE	ID	VALUE	ID	VALUE	ID	VALUE	ID	VALUE	
25 RM	6601171540	41.054	6601111104	40.878	6601191150	40.755	6501151400	39.256	6701131045	39.347	6501111400	39.363
26 RM	6601241200	34.890	6601191150	34.816	6601261104	34.737	6501181408	32.856	6501151400	33.139	6501201421	33.429
27 RM	6601281109	29.634	6601241200	29.558	6601111104	29.494	6501181408	28.079	6501201421	28.333	6501291400	28.526
28 RM	6601281109	25.358	6701131045	25.183	6501181408	24.032	6501201421	24.084	6601141113	24.063	6601141113	24.213
29 RM												
30 RM												
31 RM												
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58 RM												
59 RM	6601171540	.793	6701131045	.773	6701131045	.369	6601281109	.354	6601261104	.386	6701121104	.369
60 RM	6601171540	.734	6601281109	.332			6601281109	.275	6601171540			
61 RM	6601171542	.792	6601280109	.773			6601281108	.276	6601171541			
62 RM												
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72 RM												
73 RM												
74 RM												
75 RM												

SUMMARY OF CONSTANT PRESSURE DATA

WHAN 33

These summaries are prepared monthly for most U.S. operated upper air stations. The input data are taken from the Constant Pressure Blocks on the Adiabatic Charts (31, A, B, & C). The number of pages varies between eight and ten for each time period (00 and 12 GMT primarily). The sample shown is page "0". Page "1" contains data for the 850, 800, 750, and 700 mb levels. Higher levels are available (e.g. page 7 contains data for the 25, 20, 15, and 10 mb levels).

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

SUMMARY OF CONSTANT PRESSURE DATA
WHAN 33

SUPPLEMENTAL DATA SERVICE
NATIONAL OCEANIC CENTER

STATION: ST. GEORGE, BERMUDA, NUS28

DATE: 0029

TIME: 32 22W

PAGE: 004 41W

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HEIGHT SUMMARY

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

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Radioonde Summary (cont.)

TEMPERATURE HUMIDITY SUMMARY

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1. **Introduction**
 2. **Methodology**
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 4. **Discussion**
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1992

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SUMMARY OF METEOROLOGICAL OBSERVATIONS,
RAWIN/RADIOSONDE

(SMOR)

This standard summary is prepared from U.S. Naval Weather Service or other meteorological service upper air meteorological records. This summary is one of a series prepared from Heights, Temperatures, Relative Humidity and Wind for selected levels. The summaries are prepared by month, season, and annual, over the period of record available, as indicated at the top of each summary sheet. The data are shown in the form of percentage frequency for each element.

NAVAL WEATHER SERVICE COMMAND
Environmental Directorate
Asheville, N. C.

CONSTANT PRESSURE DATA
PERCENTAGE FREQUENCY OF
RELATIVE HUMIDITY BY TEMPERATURETEMPERATURE
HUMIDITY SUMMARY

15620 BUCURESTI ROMANIA/BANEASA

JAN

SFC

TEMP. (°C)	RELATIVE HUMIDITY											TOTAL %	TOTAL OBS.
	01-00	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	UNKNOW		
22-721-										.2		.2	1
20-719-								.2		.2		.4	2
18-717-										.2		.2	1
16-715-					.2			.6	.4	.4		1.7	8
14-713-						.2	.2	.2	.2	.4		1.0	5
12-711-						.4	.6	.8	.8	1.2	.2	3.3	16
10-79-					.2	.6	.4	1.4	1.9	.8		5.4	26
8-77-						.2	.4	1.0	.8	2.5		3.0	24
6-75-						.8	.6	2.7	3.3	.4		7.9	36
4-73-						1.2	1.7	4.3	5.4	.2		13.2	64
2-71-			.2		.2	.4	.6	2.7	4.8	11.0		18.8	91
0-71-						.6	1.4	1.3	4.1	9.9	.4	17.8	86
2-73						.6	1.2	1.7	3.9	4.3		11.8	57
4-75						1.2	.8	2.3	1.4	1.9	.2	7.9	38
6-77						.4	.8	.6	1.0	1.0	.6	4.5	22
8-79						.2	.2					.4	2
10-711							.2					.2	1
12-713							.4					.4	2
TOTAL			.2		.6	3.5	9.9	13.0	26.0	43.2	2.9	100.0	484
									MEAN DEG. C			1.82-	
									STD. DEV.			5.204	

NAVWEASERVCOM SMOR

SUMMARY OF METEOROLOGICAL
OBSERVATIONS, RAWIN/RADIOSONDE

NAVAIR 50-1C-534

SMOR (Cont.)

NAVAL WEATHER SERVICE COMMAND
Environmental Systems
Annapolis, M. C.

CONSTANT PRESSURE DATA
PERCENTAGE FREQUENCY BY MONTH

HEIGHT SUMMARY

13420 BUCURESTI ROMANIA/BANEASA

1000
METERS

HEIGHT METERS	MONTHS												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
-100/-141		.2											.0
-140/-121		.2											.0
-120/-101												.2	.0
-100/-81				.2									.0
-80/-61	.2											.4	.0
-60/-41	.2	.2		.4								.4	.1
-40/-21		.2	.2	.7								.4	.1
-20/-1		.6		.2								.4	.1
0/19	.4	1.6	.2	2.0	.2		.2	.2	.2	.2	.2	1.4	.4
20/39	.2	3.0	1.0	2.9	.2		.4	.8			.4	1.6	.4
40/59	2.6	3.6	3.9	4.4	2.5	1.6	.9	1.4	.9	1.2	1.6	3.7	2.5
60/79	2.6	5.7	4.5	5.5	5.4	4.4	4.4	2.7	1.1	1.7	2.7	4.6	2.7
80/99	6.0	5.3	7.2	8.2	8.4	8.8	8.2	5.3	3.0	3.1	5.4	6.5	6.1
100/119	8.9	8.7	11.6	14.1	18.6	18.6	20.3	18.7	11.7	9.7	10.4	12.1	13.2
120/139	9.0	7.5	11.6	14.1	19.8	19.0	20.9	22.9	11.1	7.7	11.2	12.2	14.2
140/159	12.3	12.1	12.6	15.4	18.2	17.7	22.7	17.8	20.1	10.2	12.2	11.6	13.4
160/179	12.3	10.7	10.8	13.7	14.6	14.2	16.2	18.9	17.4	11.7	13.1	8.8	13.7
180/199	11.2	9.9	11.8	8.8	7.1	12.8	4.4	7.2	15.7	14.1	12.4	9.5	10.4
200/219	8.8	4.7	7.1	6.0	2.3	4.4	.6	2.7	10.2	13.4	6.7	8.2	6.3
220/239	9.1	6.9	7.1	2.0	1.6	.3	.2	.5	5.2	14.8	7.6	6.5	3.2
240/259	7.4	3.3	3.2	1.5	.2				2.9	11.3	3.0	4.8	3.7
260/279	4.3	4.0	4.0		.2				.8	3.4	3.4	4.2	2.1
280/299	2.2	4.3	.3							.9	2.9	1.1	.9
300/319	.9	2.2	.2							.2	.7	.9	.3
320/339	.4	2.0									1.1	.2	.3
340/359		.8									.2	.2	.1
360/379		.2									.5	.4	.1
380/399												.2	.0
TOTAL OBS	537	506	594	546	560	540	635	624	696	647	556	740	6977
MEANS MTRS	172	165	156	131	134	140	152	138	163	106	173	153	154
STD DEVS.	62.1	81.1	60.3	56.8	39.8	37.1	52.7	35.5	41.6	52.5	62.6	71.5	56.7
MEANS FT	564	541	512	430	440	459	483	453	525	610	568	502	505
STD DEVS	203.7	264.1	197.8	179.8	130.6	121.7	167.3	116.5	136.5	172.2	205.4	234.8	186.0

NAVWADMRYCON 5000

SUMMARY OF METEOROLOGICAL
OBSERVATIONS, NAVFLEETCOM

PART II-CATALOGUE OF STANDARD SUMMARIES

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UNIT NUMBER	MEAN NUMBER	STATION	LOCATION		ELEV. IN FEET	DIRECTION OF FLOW																		
			LATITUDE	LONGITUDE		1	2	4	7	8	10	11	12	13	14	15	16	19	21	22	23	24	25	26
		GROUP ALABAMA																						
13012		ALABAMA/ALABAMA	30003	010000	622																			
13019		ALABAMA/ALABAMA	30030	010000	2940																			
13020		ALABAMA/ALABAMA	30030	010000	1210																			
13015		ALABAMA/ALABAMA	30030	010000	291																			
11107		ALABAMA/ALABAMA	30030	010000	2000																			
11101		ALABAMA/ALABAMA	30030	010000	1201																			
11102		ALABAMA/ALABAMA	30030	010000	1971																			
11103		ALABAMA/ALABAMA	30030	010000	2220																			
11104		ALABAMA/ALABAMA	30030	010000	1127																			
11105		ALABAMA/ALABAMA	30030	010000	0700																			
11106		ALABAMA/ALABAMA	30030	010000	0900																			
11107		ALABAMA/ALABAMA	30030	010000	1070																			
11108		ALABAMA/ALABAMA	30030	010000	1070																			
11109		ALABAMA/ALABAMA	30030	010000	1070																			
11110		ALABAMA/ALABAMA	30030	010000	1070																			
11111		ALABAMA/ALABAMA	30030	010000	1070																			
11112		ALABAMA/ALABAMA	30030	010000	1070																			
11113		ALABAMA/ALABAMA	30030	010000	1070																			
11114		ALABAMA/ALABAMA	30030	010000	1070																			
11115		ALABAMA/ALABAMA	30030	010000	1070																			
11116		ALABAMA/ALABAMA	30030	010000	1070																			
11117		ALABAMA/ALABAMA																						

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FOR EXPLANATION AND ILLUSTRATION OF SURVIVORS SEE PAGE 1				LOCATION		DATE		TIME		WIND		SEA		WEATHER		VISIBILITY		TEMPERATURE		HUMIDITY		PRESSURE		SUN		MOON		STARS		PLANETS		COMETS		METEORS		AURORA		OTHER	
WMO NUMBER	WMO NUMBER	STATION	ALTITUDE	LONGITUDE	DATE	TIME	WIND	SEA	WEATHER	VISIBILITY	TEMPERATURE	HUMIDITY	PRESSURE	SUN	MOON	STARS	PLANETS	COMETS	METEORS	AURORA	OTHER																		
10072		ATMOSPHERIC OBSERVATION	10072	002120	110																																		
10077		ATMOSPHERIC OBSERVATION	10077	002121	110																																		
10082		ATMOSPHERIC OBSERVATION	10082	002122	110																																		
10087		ATMOSPHERIC OBSERVATION	10087	002123	110																																		
10110	30200	ATMOSPHERIC OBSERVATION	10110	002124	110																																		
10111		ATMOSPHERIC OBSERVATION	10111	002125	110																																		
10112		ATMOSPHERIC OBSERVATION	10112	002126	110																																		
10113		ATMOSPHERIC OBSERVATION	10113	002127	110																																		
10114		ATMOSPHERIC OBSERVATION	10114	002128	110																																		
10115		ATMOSPHERIC OBSERVATION	10115	002129	110																																		
10116		ATMOSPHERIC OBSERVATION	10116	002130	110																																		
10117		ATMOSPHERIC OBSERVATION	10117	002131	110																																		
10118		ATMOSPHERIC OBSERVATION	10118	002132	110																																		
10119		ATMOSPHERIC OBSERVATION	10119	002133	110																																		
10120		ATMOSPHERIC OBSERVATION	10120	002134	110																																		
10121		ATMOSPHERIC OBSERVATION	10121	002135	110																																		
10122		ATMOSPHERIC OBSERVATION	10122	002136	110																																		
10123		ATMOSPHERIC OBSERVATION	10123	002137	110																																		
10124		ATMOSPHERIC OBSERVATION	10124	002138	110																																		
10125		ATMOSPHERIC OBSERVATION	10125	002139	110																																		
10126		ATMOSPHERIC OBSERVATION	10126	002140	110																																		
10127		ATMOSPHERIC OBSERVATION	10127	002141	110																																		
10128		ATMOSPHERIC OBSERVATION	10128	002142	110																																		
10129		ATMOSPHERIC OBSERVATION	10129	002143	110																																		
10130		ATMOSPHERIC OBSERVATION	10130	002144	110																																		

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FOR EXPLANATION AND ILLUSTRATION OF SUMMARY SEE PAGE 1				LOCATION		ELEVATION		DISTANCE		DIRECTION		SPEED		TIME		DATE		REMARKS	
WMO NUMBER	WMO NUMBER	STATION	LATITUDE	LONGITUDE	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER	WMO NUMBER
03302		ALBANY	42°00'N	73°45'W	115														
03303		ALBANY	42°00'N	73°45'W	115														
03304		ALBANY	42°00'N	73°45'W	115														
03305		ALBANY	42°00'N	73°45'W	115														
03306		ALBANY	42°00'N	73°45'W	115														
03307		ALBANY	42°00'N	73°45'W	115														
03308		ALBANY	42°00'N	73°45'W	115														
03309		ALBANY	42°00'N	73°45'W	115														
03310		ALBANY	42°00'N	73°45'W	115														
03311		ALBANY	42°00'N	73°45'W	115														
03312		ALBANY	42°00'N	73°45'W	115														
03313		ALBANY	42°00'N	73°45'W	115														
03314		ALBANY	42°00'N	73°45'W	115														
03315		ALBANY	42°00'N	73°45'W	115														
03316		ALBANY	42°00'N	73°45'W	115														
03317		ALBANY	42°00'N	73°45'W	115														
03318		ALBANY	42°00'N	73°45'W	115														
03319		ALBANY	42°00'N	73°45'W	115														
03320		ALBANY	42°00'N	73°45'W	115														
03321		ALBANY	42°00'N	73°45'W	115														
03322		ALBANY	42°00'N	73°45'W	115														
03323		ALBANY	42°00'N	73°45'W	115														
03324		ALBANY	42°00'N	73°45'W	115														
03325		ALBANY	42°00'N	73°45'W	115														
03326		ALBANY	42°00'N	73°45'W	115														
03327		ALBANY	42°00'N	73°45'W	115														
03328		ALBANY	42°00'N	73°45'W	115														
03329		ALBANY	42°00'N	73°45'W	115														

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NAVAIR 50-1C-534

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NAVAIR 50-1C-534

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NAVAIR 50-1C-534

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NAVAIR 50-1C-534

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NAVAIR 501C-534

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FOR EXPLANATION AND ILLUSTRATION OF SUMMARIES SEE PAGE I				DATE												TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
WMO NUMBER	STATION NUMBER	STATION	LOCATION		ELEVATION	MONTH												DAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			COUNTRY	STATE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1	2	3	4	5	6	7	8	9	10	11	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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FOR EXPLANATION AND ILLUSTRATION OF SUMMARIES SEE PAGE 1					1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
WMO NUMBER	WMO NAME	STATION	LOCATION		ELEVATION	SUMMARY DATA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			LATITUDE	LONGITUDE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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FOR EXPLANATION AND ILLUSTRATION OF SUMMARIES SEE PAGE 1				J 3 6 U 2 11 16 22 42 46 50 55 60 61 62																81 82 83 84 85 86 87 88 89 90																																																		
WMO NUMBER	STATION NUMBER	STATION	LOCATION		ELEVATION	WMO NUMBER																WMO NUMBER																																																
			LATITUDE	LONGITUDE		WMO NUMBER																WMO NUMBER																																																
02730	02731	02732	02733	02734	02735	02736	02737	02738	02739	02740	02741	02742	02743	02744	02745	02746	02747	02748	02749	02750	02751	02752	02753	02754	02755	02756	02757	02758	02759	02760	02761	02762	02763	02764	02765	02766	02767	02768	02769	02770	02771	02772	02773	02774	02775	02776	02777	02778	02779	02780	02781	02782	02783	02784	02785	02786	02787	02788	02789	02790	02791	02792	02793	02794	02795	02796	02797	02798	02799	02800
02730	02731	02732	02733	02734	02735	02736	02737	02738	02739	02740	02741	02742	02743	02744	02745	02746	02747	02748	02749	02750	02751	02752	02753	02754	02755	02756	02757	02758	02759	02760	02761	02762	02763	02764	02765	02766	02767	02768	02769	02770	02771	02772	02773	02774	02775	02776	02777	02778	02779	02780	02781	02782	02783	02784	02785	02786	02787	02788	02789	02790	02791	02792	02793	02794	02795	02796	02797	02798	02799	02800

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FOR EXPLANATION AND ILLUSTRATION OF SUMMARY: SEE PAGE 1				DATE																	TIME																
VMSO NUMBER	SWAN NUMBER	STATION	LOCATION		SUN ELEV	WIND																	SEA														
			LATITUDE	LONGITUDE		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
0	13030	SECHAP/CRAB AFB TALLADGE HUN TAMMAYVILLE TADI TUSCALOOSA/VAH D1 BRATT	N3211	W86453	203	23	27	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	13030	TUSCALOOSA/CRAB AFB A11 VALLEY HEAD ALABAMA	N3220	W86500	240	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
70494	025704	SEAS WAS ALABAMA PT	N3150	W87630	14	20	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
70495	025705	ANCHUTIA ISLAND	N3120	W87015	204	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
70496	025706	ANCHUTIA ISLAND	N3110	W86955	124	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
70497	025707	ANCHUTIA ISLAND	N3100	W86900	174	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70498	025708	ANCHUTIA ISLAND	N3090	W86845	124	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70499	025709	ANCHUTIA ISLAND	N3080	W86790	174	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70500	025710	ANCHUTIA ISLAND	N3070	W86735	124	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70501	025711	ANCHUTIA ISLAND	N3060	W86680	174	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70502	025712	ANCHUTIA ISLAND	N3050	W86625	124	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70503	025713	ANCHUTIA ISLAND	N3040	W86570	174	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70504	025714	ANCHUTIA ISLAND	N3030	W86515	124	23	27	0	0	0	0	0																									

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FOR EXPLANATION AND ILLUSTRATION OF L.A.			LOCATION		ELEVATION	DISTANCE																TIME															
WIND NUMBER	WIND NUMBER	STATION	LATITUDE	LONGITUDE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72214	90005	STATION/STATION PLO	42°10'N	100°00'W	100																																
72215	10002	STATION/STATION PLO	42°10'N	100°00'W	100																																
72216	10003	STATION/STATION PLO	42°10'N	100°00'W	100																																
72217	10004	STATION/STATION PLO	42°10'N	100°00'W	100																																
72218	10005	STATION/STATION PLO	42°10'N	100°00'W	100																																
72219	10006	STATION/STATION PLO	42°10'N	100°00'W	100																																
72220	10007	STATION/STATION PLO	42°10'N	100°00'W	100																																
72221	10008	STATION/STATION PLO	42°10'N	100°00'W	100																																
72222	10009	STATION/STATION PLO	42°10'N	100°00'W	100																																
72223	10010	STATION/STATION PLO	42°10'N	100°00'W	100																																
72224	10011	STATION/STATION PLO	42°10'N	100°00'W	100																																
72225	10012	STATION/STATION PLO	42°10'N	100°00'W	100																																
72226	10013	STATION/STATION PLO	42°10'N	100°00'W	100																																
72227	10014	STATION/STATION PLO	42°10'N	100°00'W	100																																
72228	10015	STATION/STATION PLO	42°10'N	100°00'W	100																																
72229	10016	STATION/STATION PLO	42°10'N	100°00'W	100																																
72230	10017	STATION/STATION PLO	42°10'N	100°00'W	100																																

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FOR EXPLANATION AND ILLUSTRATION OF SUMMARIES SEE PAGE 1				LOCATION		ELEV IN FEET	SURVEY DATA																ADDITIONAL DATA															
BNO NUMBER	WBAN NUMBER	STATION	LATITUDE	LONGITUDE	1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
0	03000	HALEY MAYNE GAS MAYNE MAN 03001 03002	43020	00450	10250	73																																
0	03003	03004	43020	00450	10250	73																																
0	03005	03006	43020	00450	10250	73																																
0	03007	03008	43020	00450	10250	73																																
0	03009	03010	43020	00450	10250	73																																
0	03011	03012	43020	00450	10250	73																																
0	03013	03014	43020	00450	10250	73																																
0	03015	03016	43020	00450	10250	73																																
0	03017	03018	43020	00450	10250	73																																
0	03019	03020	43020	00450	10250	73																																
0	03021	03022	43020	00450	10250	73																																
0	03023	03024	43020	00450	10250	73																																
0	03025	03026	43020	00450	10250	73																																
0	03027	03028	43020	00450	10250	73																																
0	03029	03030	43020	00450	10250	73																																
0	03031	03032	43020	00450	10250	73																																
0	03033	03034	43020	00450																																		

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WMO NUMBER	STATION NUMBER	STATION NAME	LOCATION		ELEVATION	STATION																SUMMARY															
			LATITUDE	LONGITUDE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72001	13700	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72002	13701	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72003	13702	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72004	13703	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72005	13704	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72006	13705	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72007	13706	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72008	13707	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72009	13708	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72010	13709	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72011	13710	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72012	13711	ALBUQUERQUE	35.08	-106.31	5400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
72013	13712	ALBUQUERQUE																																			

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FOR EXPLANATION AND ILLUSTRATION OF SYMBOLS SEE PAGE 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